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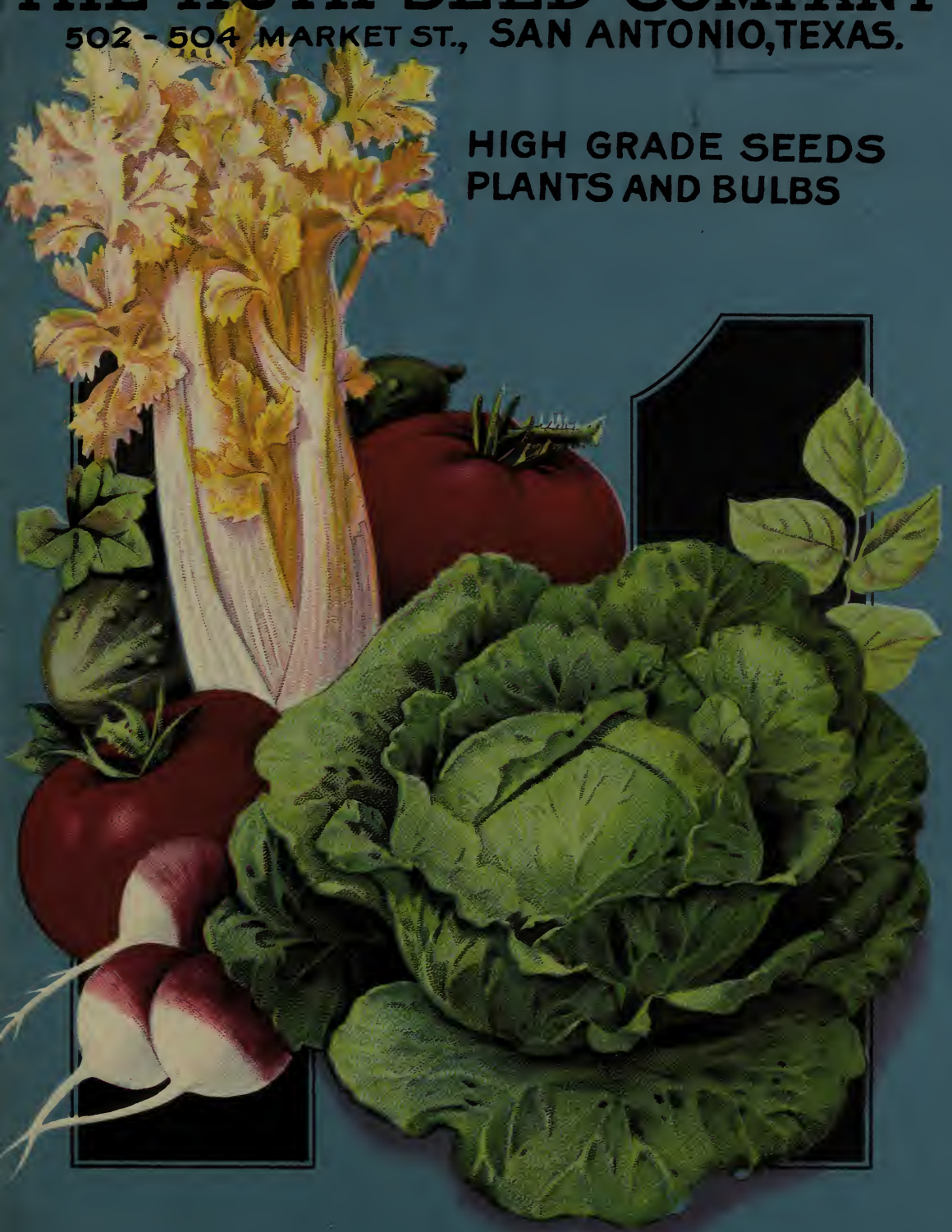
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62183
THE HUTH SEED COMPANY

502 - 504 MARKET ST., SAN ANTONIO, TEXAS.

**HIGH GRADE SEEDS
PLANTS AND BULBS**



• CATALOGUE *for* 1921

\$1.00 "One Dollar" Collection

26 FULL SIZED PACKETS. \$1.50
WORTH OF FIRST CLASS
TESTED SEEDS SENT
PREPAID FOR ONLY
\$1.00



This collection is sufficient to plant a good sized garden and will keep your family, and even some of the neighbors, abundantly supplied with fresh vegetables all summer. We have selected the best varieties in all cases and we are sure the assortment will please you. Fresh Vegetables are essential in every happy home. Take advantage of this liberal offer and get \$1.50 worth of the very best vegetable seeds to be had for only \$1.00. Postpaid.

1	Beans—Golden Wax.....	.10
2	Beans—Stringless Gr. Pod.....	.10
3	Beet—Early .....	.05
4	Cabbage .....	.05
5	Carrots—Oxheart .....	.05
6	Celery .....	.05
7	Cucumber—Davis Perfect.....	.05
8	Lettuce—Big Boston.....	.05
9	Watermelon .....	.05
10	Muskmelon—Rock Ford .....	.05
11	Muskmelon—Burrell Gem .....	.05
12	Mustard .....	.05
13	Onion—Yellow Bermuda .....	.05
14	Onion—Crystal White Wax.....	.05
15	Parsnip—Hollow Crowned Sugar.....	.05
16	Peas—Gradus .....	.10
17	Parsley .....	.05
18	Pepper—Sweet .....	.05
19	Pumpkin—Small Sugar .....	.05
20	Radish—French Breakfast .....	.05
21	Radish—White Icicle .....	.05
22	Radish—Early Scarlet Turnip.....	.05
23	Squash—Hubbard .....	.05
24	Squash—Early White Bush.....	.05
25	Tomato—Earliana .....	.05
26	Turnip .....	.10

\$1.50

This collection is put up in advance and we can make no changes in it. No premium is allowed on this collection as it is a premium in itself.

ORDER NO.....

DATE RECEIVED.....

ORDER SHEET FOR HUTH SEED COMPANY SAN ANTONIO, TEXAS

**WRITE NAME AND ADDRESS VERY PLAINLY. SEND MONEY
WITH ALL ORDERS**

Name

Post Office.....Box.....

R. F. D. _____ County _____ State _____

Express or Freight Office.....

Huth Seed Co. Gives No Warranty, Express or Implied, as to Description, Quality, Productiveness, or Any Other Matter of Any Seeds, Bulbs or Plants They Send Out, and They Will Not Be in Any Way Responsible for the Crop. If the Purchaser Does Not Accept the Goods on These Terms They Are at Once to Be Returned.

[illegible]

ORDER NO. _____

DATE RECEIVED.....

ORDER SHEET

FOR

HUTH SEED COMPANY

SAN ANTONIO, TEXAS

**WRITE NAME AND ADDRESS VERY PLAINLY. SEND MONEY
WITH ALL ORDERS**

Name

Post Office.....Box.....

R. F. D......**County**.....**State**.....

Express or Freight Office.....

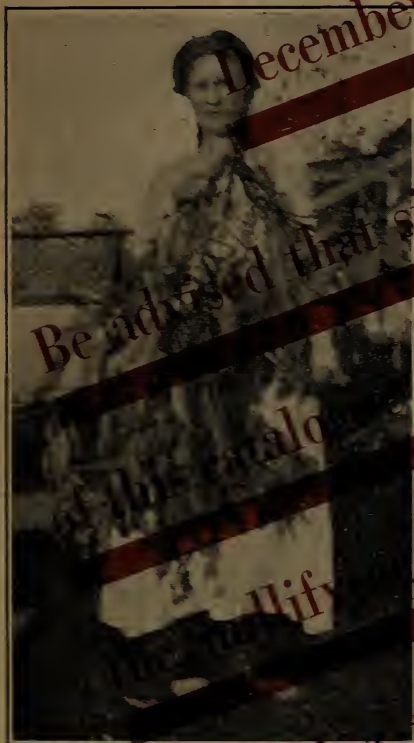
Huth Seed Co. Gives No Warranty, Express or Implied, as to Description, Quality, Productiveness, or Any Other Matter of Any Seeds, Bulbs or Plants They Send Out, and They Will Not Be in Any Way Responsible for the Crop. If the Purchaser Does Not Accept the Goods on These Terms They Are at Once to Be Returned.

[illegible]

The American Coffee Bean Company

Has an Interesting Proposition.

J. M. Estes, Manager.



MR. FARMER!!

\$8.00 Invested in American
Coffee Beans
and Planted on One Acre will
Bring You in Four Months
\$100.00

They pay you \$2.00 per bushel of 64
pounds. All you can raise. You can
raise from 50 to 100 bushels to the acre.

ANALYSIS OF BEAN LEAVES

Water	11.45
Fat	5.62
Fiber	10.80
Ash	11.76
Protein	18.00
Carbo-Hydrates	42.37
	100.00

ANALYSIS OF BEAN MEAL

Water	10.90
Fat	3.88
Fiber	4.90
Ash	3.07
Protein	27.20
Carbo-Hydrates	50.05
	100.00

CULTIVATION

The bean should be planted in rows 4 ft. apart,
and should be placed one in a hill 2 ft. apart.
The fertilization and cultivation should be about
as cotton. They will begin to ripen in three
months; in four months the crop should be har-
rowed, thrashed out and sacked ready for market.

After gathering and marketing the crop of
beans, the bushes will be green and as full of
leaves as in mid-summer, ready to put up as
hay; put in stacks, or hogged down. Dont plant
until you are safe from frosts—say May 10th.

SEGUIN, TEXAS.

The American Coffee Bean! Its
Use, Value, Merits and the Cultivation.

WRITE FOR PAMPHLET.

This bean when roasted and ground as other
coffee, makes even better coffee than the import-
ed article. It is rich with protein and the most
highly nourishing and has the most delicious fla-
vor—smoother, and oh, how good. It contains
no caffeine.

In addition to its merits as coffee, it is a great
land builder. Being a legume, it feeds largely
on the nitrogen in the air and deposits the same
in the soil, thus making rich land out of poor.

THE HUTH SEED COMPANY

"OLDEST SEED HOUSE IN THE SOUTH"

On the same spot on Market Street for fifty-eight years.

TO OUR CUSTOMERS:—*Perhaps never in the history of the seed industry have
general conditons been so unsettled as those having left-over seed are trying to
sell at low figures. The importing of flower seed as well as garden seeds has been
very slow, besides the war, followed by drought made it disastrous to growing seed
stocks.*

*Our best efforts are exerted to hold our prices quoted in this catalogue as low
as possible, but in some cases they become beyond our control. To prevent delay
in filling orders, we always give our customers their money's worth.*

*We thank our many customers of past years for their many favors and sin-
cerely wish for all a successful year.*

Faithfully years,

THE HUTH SEED COMPANY

ABOUT GUARANTEE. Our seeds are all carefully selected and thoroughly tested as to vitality. However, as seeds of the best quality often fail through various causes beyond human control; therefore, we give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter, of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

ABOUT PRICES. In consideration of the high quality of our seeds our prices are very low. All prices are subject to market fluctuations, but as a rule the prices of garden seeds hold good during the season.

SEEDS SHIPPED BY PARCEL POST

Take advantage of this low rate of postage. The rates for the lower zones or up to any distance of 300 miles are very low and you can have your seeds delivered right to your door for less money than it would cost you to drive to town.

REVISED PARCEL POST LIST AND RULE CHANGES ZONES

Lbs.	Local	1	2	3	4	5	6	7	8
1.....	\$0.05	\$0.05	\$0.05	\$0.06	\$0.07	\$0.08	\$0.09	\$0.11	\$0.12
2.....	.06	.06	.06	.08	.11	.14	.17	.21	.24
3.....	.06	.07	.07	.10	.15	.20	.25	.31	.36
4.....	.07	.08	.08	.12	.19	.26	.33	.41	.48
5.....	.07	.09	.09	.14	.23	.32	.41	.51	.60
6.....	.08	.10	.10	.16	.27	.38	.49	.61	.72
7.....	.08	.11	.11	.18	.31	.44	.57	.71	.84
8.....	.09	.12	.12	.20	.35	.50	.65	.81	.96
9.....	.09	.13	.13	.22	.39	.56	.73	.91	1.08
10.....	.10	.14	.14	.24	.43	.62	.81	1.01	1.20
11.....	.10	.15	.15	.26	.47	.68	.89	1.11	1.32
12.....	.11	.16	.16	.28	.51	.74	.97	1.21	1.44
13.....	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56
14.....	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68
15.....	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80
16.....	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92
17.....	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18.....	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19.....	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20.....	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21.....	.15	.25	.25	.46	.87	1.28	1.69	2.11	2.52
22.....	.16	.26	.26	.48	.91	1.34	1.77	2.21	2.64
23.....	.16	.27	.27	.50	.95	1.40	1.85	2.31	2.76
24.....	.17	.28	.28	.52	.99	1.46	1.93	2.41	2.88
25.....	.17	.29	.29	.54	1.03	1.52	2.01	2.51	3.00
26.....	.18	.30	.30	.56	1.07	1.58	2.09	2.61	3.12
27.....	.18	.31	.31	.58	1.11	1.64	2.17	2.71	3.24
28.....	.19	.32	.32	.60	1.15	1.70	2.25	2.81	3.36
29.....	.19	.33	.33	.62	1.19	1.76	2.33	2.91	3.48
30.....	.20	.34	.34	.64	1.23	1.82	2.41	3.01	3.60
31.....	.20	.35	.35	.66	1.27	1.88	2.49	3.11	3.72
32.....	.21	.36	.36	.68	1.31	1.94	2.57	3.21	3.84
33.....	.21	.37	.37	.70	1.35	2.00	2.65	3.31	3.96
34.....	.22	.38	.38	.72	1.39	2.06	2.73	3.41	4.08
35.....	.22	.39	.39	.74	1.43	2.12	2.81	3.51	4.20
36.....	.23	.40	.40	.76	1.47	2.18	2.89	3.61	4.32
37.....	.23	.41	.41	.78	1.51	2.24	2.97	3.71	4.44
38.....	.24	.42	.42	.80	1.55	2.30	3.05	3.81	4.56
39.....	.24	.43	.43	.82	1.59	2.36	3.13	3.91	4.68
40.....	.25	.44	.44	.84	1.63	2.42	3.21	4.01	4.80
41.....	.25	.45	.45	.86	1.67	2.48	3.29	4.11	4.92
42.....	.26	.46	.46	.88	1.71	2.54	3.37	4.21	5.04
43.....	.26	.47	.47	.90	1.75	2.60	3.45	4.31	5.16
44.....	.27	.48	.48	.92	1.79	2.66	3.53	4.41	5.28
45.....	.27	.49	.49	.94	1.83	2.72	3.61	4.51	5.40
46.....	.28	.50	.50	.96	1.87	2.78	3.69	4.61	5.52
47.....	.28	.51	.51	.98	1.91	2.84	3.77	4.71	5.64
48.....	.29	.52	.52	1.00	1.95	2.90	3.85	4.81	5.76
49.....	.29	.53	.53	1.02	1.99	2.96	3.93	4.91	5.88
50.....	.30	.54	.54	1.04	2.03	3.02	4.01	5.01	6.00
51.....	.30	.55	.55						
52.....	.31	.56	.56						
53.....	.31	.57	.57						
54.....	.32	.58	.58						
55.....	.32	.59	.59						
56.....	.33	.60	.60						
57.....	.33	.61	.61						
58.....	.34	.62	.62						
59.....	.34	.63	.63						
60.....	.35	.64	.64						
61.....	.35	.65	.65						
62.....	.36	.66	.66						
63.....	.36	.67	.67						
64.....	.37	.68	.68						
65.....	.37	.69	.69						
66.....	.38	.70	.70						
67.....	.38	.71	.71						
68.....	.39	.72	.72						
69.....	.39	.73	.73						
70.....	.40	.74	.74						

PARCEL POST RATES

Parcels weighing eight ounces or less are mailable at the rate of one cent for each 2 ounce or fraction of an ounce, regardless of distance. Parcels weighing more than eight ounces are mailable at the pound rates shown in the accompanying table, a fraction of a pound being considered a full pound.

Parcel post rates into Mexico are 12 cents per pound or fraction thereof. Registration is 10 cents per package and we can ship up to twenty pounds per package.

HOW TO ORDER

Fill out the order sheet enclosed herewith, writing your name and address very plainly.

SEND CASH ALONG WITH ORDER.

Remittances may be made by Money Order, Draft, Stamps or Currency. We accept any amount of stamps the same as cash. Be sure you register your letters if they contain cash. Money orders are the most economical and practical means of remitting.

ORDER EARLY! We will appreciate it if our customers will favor us with their kind orders as early as possible.

Send in your orders. You will be pleased with our service and well satisfied with our seeds.

Every time you order seeds or write to us, be sure and write your name, post office and State plainly. Hundreds of Orders are delayed every year because the Sender forgets to sign his name or give his post office address.

OUR TERMS with customers not having an account are strictly cash with order. We prefer not to send C. O. D. but if wanted by that method customers should enclose one-fourth of the amount in remittance with Order. No plants or other perishable stock are sent C. O. D.

FREE PREMIUMS TAKE YOUR CHOICE

A very pretty fern will be sent to you on request if accompanied by an order for \$2.00 worth of garden and flower seed. These seed must be ordered at the same time in packages and ounces, and we cannot give this premium when seed are ordered by the pound.



ALAMO COOK BOOK

This book of 100 pages contains many receipts of Mexican dishes.

The information on pickling alone is worth a great deal to the housewife.

Beverages selected by experienced parties are very appropriate for special occasions as birthdays, Christmas, etc.

In fact, the receipts are too numerous to mention here. They were compiled and tested by the housewives here in San Antonio.

This nicely bound book will be sent free with an order for \$2.00 worth of garden and flower seed in packages and ounces or \$10.00 worth of field seed.



STEEL TROWEL

Here is a free premium that can be used in every garden. The fact that this trowel is not riveted makes it very durable and lasts for years. On request this handy tool will be shipped with an order for \$1.75 worth of garden and flower seed in packages or ounces only.

PAIR OF GARDENER'S GLOVES

This pair of gloves will be sent free with an order of \$1.75 worth of garden or flower seeds in packages or ounces.

These canvas gloves are as handy in the garden as in the field. Please mention with order if you desire this premium.

Directions for Planting.

The directions given here are for Texas. If applied to localities north of here the time of planting will not be quite as early in the Spring and earlier in the Fall. For instance the directions given for January will answer for February in the northern part of this State and Mississippi and the southern part of Alabama. In autumn directions for September can be followed in August.

VEGETABLE GARDEN.—Sow Spinach' Mustard, Carrots, Beets, Turnips, Leeks' Radish, Ruta Baga, Lettuce, Endive, Cabbage' Broccoli, Kohlrabi and early Cauliflower. As the weather is very unstable, it is best to sow in a frame and protect young plants during severe cold weather.

Cress, Chervil, Parsely, Celery and Carrots should be sown. Sow in hot-bed Eggplants, Peppers and Tomatoes. Plant all varieties of Garden Peas, for general crop. Plant Onion Sets, Chives, Shallots; also set out plants. Transplant Onions. Sow Sweet and Medicinal Herbs. See page 56.

Cucumbers can be planted for forcing. It is best to plant the seeds in dirt bands first, and when the third leaf is developed transplant into the hot-bed.

FIELD.—Plant early varieties of Irish potatoes.

Asparagus Roots, Artichoke Plants and Rhubarb and Horseradish Roots should be set out, also Red Rust-Proof Oats, Seed Rye, Barley, Wheat, Speltz, Vetches, Buckwheat, all varieties of Clover, Drawf Essex Rape, English Rye, Johnson, and Rescue Grasses, all varieties of Millet, Giant Beggar Weed, Lespedeza or Japan Clover and Bermuda Grass should be sown.

ORCHARD.—Fruit trees of all kinds should be planted, such as Peaches, Pears, Figs, Plums, Pecans, Persimmons, Grapes and Berries.

January and February are the best months to set out fruit trees.

FLOWER GARDEN.—Continue to sow flower seeds during this month for spring and early summer blooming. The best varieties are Verbena, Phlox, Petunia, Summer Chrysanthemum, Scarlet Sage, Hollyhock, Sweet Alyssum, Snapdragon, Aster, Columbine, Daisy, Bell Flower, Sweet Sultan, Correopsis, Sweet William, Chinese and Carnation Pinks, Larkspur, California Poppy, Heliotrope, Candytuft, Lobelia, Monkey Flower, Sweet Mignonette, Flowering Sweet Peas and Pansies. In a cold frame sow at the end of the month Balsams (Lady Slippers), Zinnia, Amaranthus, Cockscomb, Evening Glory and Nasturtium, and in the greenhouse in pots Begonia Rex, Begonia Tuberosa and Cyclamen. Plant Gladiolus, Hyacinths,

Jan., 1921

8th	17th	23rd	30th
D. of M.	Days of Week	Light and Dk. Moon	Sun on Meridian, h. m.
1	S	☾	12 3
2	S	☾	12 3
3	M	☾	12 4
4	T	☾	12 4
5	W	☾	12 5
6	T	☾	12 5
7	F	☾	12 6
8	S	☾	12 6
9	S	☾	12 6
10	M	☾	12 7
11	T	☾	12 7
12	W	☾	12 8
13	T	☾	12 8
14	F	☾	12 9
15	S	☾	12 9
16	S	☾	12 9
17	M	☾	12 10
18	T	☾	12 10
19	W	☾	12 10
20	T	☾	12 11
21	F	☾	12 11
22	S	☾	12 11
23	S	☾	12 11
24	M	☾	12 12
25	T	☾	12 12
26	W	☾	12 12
27	T	☾	12 12
28	F	☾	12 13
29	S	☾	12 13
30	S	☾	12 13
31	M	☾	12 13

Weather Forecast

1st to 3rd, Storm Period. Heavy rains on Pacific slope. Cold, with snow blockades in states of the northwest and upper Lake region. Dangerous gales on all coastal waters. **4th to 7th, Unsettled Wave.** Rising temperature over states of the west and northwest. Very blustery conditions in south and southwest sections. Cold and stormy at all points east and northwest. **8th to 11th, Blizzard Storms.** Snow blockades in Rocky Mountain region and states of the northwest and middlewest. Rain, sleet and snow in northern Texas, Oklahoma, Arkansas, Missouri, Kentucky and Tennessee. Temperature 10 degrees below zero at Omaha, 8 below at St. Louis, 5 below at Cincinnati and 2 below at Washington. **12th to 16th, Fair Period.** Sunny days and clear nights general. Cold over Lake region, New York and New England. Very windy over southern and southwest states. **17th to 21st, Cloudy Period.** Dull, damp and cloudy weather generally prevalent over southern and central states. General snows in Lake region, Middle Atlantic and New England states. **22nd to 26th, Fair Period.** Fine weather in southern, central and eastern sections. Blustery and stormy over states of the southwest and middlewest. Temperature 60 degrees at Ft. Worth, 58 at Vicksburg, 56 at Knoxville and 54 at Richmond. **27th to 31st, Unsettled Wave.** Gloomy weather over north Pacific slope and states of the northwest and the region of the Great Lakes. Mist and fog common over all coastal waters at about this time.

cinths, Tulips, all varieties of Narcissus, Chinese Sacred Lilies, Oxalis or Buttercup, all varieties of Calla Lilies, Tuberoses, all varieties of Japan Lilies, Spanish Iris, and Freesia bulbs out of doors in sheltered places for early blooming. Set out Roses and flowering ornamental shrubs. Fall annuals named in this catalogue can be planted this month.

Feb., 1921



D. of M	Days in Week	Light and Dk. Moon	Sun on Meridian.
			h. m.
7th	T	☾	12 13
8th	W	☾	12 13
9th	T	☾	12 13
10th	F	☾	12 14
11th	S	☾	12 14
12th	S	☾	12 14
13th	S	☾	12 14
14th	M	☾	12 14
15th	T	☾	12 14
16th	W	☾	12 14
17th	T	☾	12 14
18th	F	☾	12 14
19th	S	☾	12 14
20th	S	☾	12 13
21st	M	☾	12 13
22nd	T	☾	12 13
23rd	W	☾	12 13
24th	T	☾	12 13
25th	F	☾	12 13
26th	S	☾	12 12
27th	S	☾	12 12
28th	M	☾	12 12

Weather Forecast

1st to 4th, Windy Spell. Snow squalls with much wind and bluster in states of the north-west and Rocky Mountain region. Strong gales over group of states extending from Gulf of Mexico to lower Lake region. 5th to 8th, Cold Period. Snow storms and blockades at many points in sections extending from Rocky Mountains eastward to Minnesota, Iowa and Kansas. Rain and slush general in southern and Middle Atlantic States. 9th to 12th, General fall in temperature in sections extending from the Mississippi river eastward to Middle Atlantic and New England states. Temperature 15 degrees below zero at Denver, 8 below at Kansas City, 5 below at Columbus and 4 below at Washington. 13th to 17th, General Snow Period. Heavy snows in all states north of Oklahoma, Arkansas, Tennessee and the Carolinas. Wind and rain in states of Gulf border and along south Atlantic seaboard. 18th to 22nd, Stormy Spell. High winds at all points west of the Mississippi river. Dangerous gales along all southern coastal waters. Cold weather over states of lower Lake region and New England. 23rd to 26th, Mild Spell. Rising temperature at most points east, south and west. Stormy in states of the north Pacific slope. Temperature 60 degrees at Wichita, 58 at Cairo, 55 at Indianapolis and 52 at Pittsburg. 27th to 28th, Snow Period. General snowfall over states of the northwest and upper Lake region. Rain, sleet and snow in central, Middle Atlantic and New England states.

VEGETABLE GARDEN.—All winter vegetables can be sown this month, such as Spinach, Mustard, Carrots, Beets, Parsnips, Leeks, Radishes, Swiss Chard, Kohlrabi, Lettuce, Cabbage and Early Cauliflower. If the weather is favorable and the month of April dry, the latter will succeed well.

Cauliflower, Cabbage, Lettuce and Kohlrabi should be transplanted, Shallots divided and set out again, also sow Sorrel, Chervil, Parsley, Cress and Celery for seasoning.

All varieties of Peas can be planted.

Sweet and Medicinal Herbs should be planted. Plant Artichoke, Rhubarb and Asparagus seed and roots. Set out Horseradish roots.

Hot beds on account of the changeable weather during this month, require a good deal of attention.

Begin to plant Bush Beans as soon as the weather permits; also Cucumbers, Squash, and Melons, as they often succeed if protected by small boxes or dirt bands, covered with glass. Set out Onion Sets, Chives and Shallots.

At the end of this month Early Corn can be planted.

For market use Adams Extra Early, Stowells Evergreen, Golden Bantam, Country Gentleman, White 90 day and other early varieties.

FIELD.—February is the best month to plant a general crop of all varieties of potatoes, as, on an average, they will succeed better if planted during this month. Plant Jerusalem Artichokes.

All of the Grasses, Clovers and Field Seeds mentioned for January can be sown this month, as well as Bermuda Grass. Sorghum, Milo Maize, Feterita, Egyptian Wheat and Kaffir Corn can also be planted.

Mangel Wurzel and Sugar Beets as well as Carrots should be sown for stock food. Sweet Potatoes can be put in a bed for sprouting, so as to have early slips.

Sow all varieties of Field Corn.

ORCHARD.—Plant fruit trees of all kinds. Pecan nuts may be planted to raise trees from

FLOWER GARDEN.—Sow flower seed for late spring and early summer, such as Zinnia and Balsams (Lady Slippers), in frame; different varieties of Gomphrenas, etc.

Set out Roses and ornamental Shrubs. Plant Gladiolus and Tuberose bulbs, Sweet Alyssum, Candytuft, Snapdragon, Pansy, Aster, Chinese Pinks, Daisies for late blooming Lobelia, Reseda, Sweet Sultan, Phlox, Verbena, Cosmos, Correopsis, Sunflower, Cobaea, Scandens, Salvia and Vinca. Plant all bulbous roots as directed for last month.

Follow same directions as given for January for Fall annual plants.

When ordering seed with **PREMIUM**, be sure to follow instructions on page 3.

For Roses, Ferns. and Climbing Plants, see Pages 80 to 87.

VEGETABLE GARDEN.—Sow Beets, Radishes, early Cabbage, Kohlrabi, all varieties of Turnips, Kale, Lettuce, Spinach, Mustard, Carrots, Swiss Chard, Leeks, Celery for cutting, Parsley, Cress, Herbs and Celery.

Plant all varieties of Bush and Pole Beans, but for Lima Beans it is better to wait until the end of the month, as they rot easily when the ground is not warm enough or too wet.

Squash, Cucumbers, Melons and Okra can be planted. The remark in regard to Lima Beans holds good also for Okra. Early varieties of Peas can still be planted. Set out Tomatoes, Eggplants and Peppers in the open ground and sow seed for latter crop. Plant Sweet Corn.

Beans are hard to keep in this climate; the Tepary, Lima, Pinto and Pink Frejoli can be planted for shelling purposes.

Set out Onion Sets, Chives, and Shallots

FIELD.—Sow Sorghum, Kaffir Corn, Milo Maize, Feterita, Egyptian Wheat, all varieties of Millet, Texas Ribbon Cane and Teosinte for green feed. Sow Bermuda, English Rye and all varieties of Clover and Grass seed for hay and grazing.

Plant Irish and Sweet Potatoes, all varieties of Field and Broom Corn. Plant Sorghum, also all varieties of Cow Peas, Canada Field Peas, Soja and Velvet Beans. Plant Jerusalem Artichokes.

ORCHARD.—Fruit trees may be planted the early part of this month, or later on when the season is somewhat retarded.

FLOWER GARDEN.—Sow Balsams (Lady Slippers), Zinnia, Amaranthus, Dahlia, Cockcomb, Cosmos, Portulacca and Sunflower. Set out Chrysanthemums for fall blooming.

For Fall annual plants see directions for January.

Use Hammond's Slug Shot for all Leaf-Eating Insects on all Vegetable Plants.

March, 1921



D. of M.	Days of Week	Light and Dark Moon	Sun on Meridian
			h. m.
1	T	☾	12 12
2	W	☾	12 12
3	T	☾	12 12
4	F	☾	12 11
5	S	☾	12 11
6	S	☾	12 11
7	M	☾	12 11
8	T	☾	12 11
9	W	☾	12 10
10	T	☾	12 10
11	F	☾	12 10
12	S	☾	12 10
13	S	☾	12 9
14	M	☾	12 9
15	T	☾	12 9
16	W	☾	12 8
17	T	☾	12 8
18	F	☾	12 8
19	S	☾	12 8
20	S	☾	12 7
21	M	☾	12 7
22	T	☾	12 7
23	W	☾	12 6
24	T	☾	12 6
25	F	☾	12 6
26	S	☾	12 5
27	S	☾	12 5
28	M	☾	12 5
29	T	☾	12 4
30	W	☾	12 4
31	T	☾	12 4

Weather Forecast
1st to 4th, Storm Wave. Very stormy and March-like at points over southwest and states of the Rocky Mountain region. Freezing temperature as far south as Kansas, Missouri and Illinois. Heavy gales on Great Lakes and north Atlantic coast. 5th to 9th, Cold Period Sharp, cold nights in states of the north-west and mid-west. Blustery and cloudy conditions in Middle Atlantic and New England states. Temperature 20 degrees at Denver, 25 at St. Louis, 28 at Cincinnati and 30 at Baltimore. 10th to 15th, Windy Period. Blustery weather at most points east and west. Severe snow storms in the Dakotas, Minnesota and Wisconsin. Danger to the mariner on Gulf and all Atlantic waters. 16th to 20th, Fair wave. Fair weather over southern, western sections. Variable conditions in Middle Atlantic and New England states. 21st to 26th, Blustery Period Cold, raw winds over Lake region, Middle Atlantic and New England States. Blustery and stormy conditions in California, Arizona, New Mexico and Texas. 27th. to 28th, Pleasant Wave. Bright, clear nights and mornings.

“HAMMOND’S SLUG SHOT”

Used from Ocean to Ocean

A light composite, fine powder, easily distributed either by duster, bellows, or in water by spraying. Thoroughly reliable in killing Currant Worms, Potato Bugs, Cabbage Worms, Lice, Slugs, Sow Bugs, etc., and is also strongly impregnated with fungicides. Put up in Popular Packages at Popular Prices. See Page 108.

VEGETABLE GARDEN.—Sow Bush, Pole and Lima Beans, Sweet Corn, Cucumbers, Squash, Melons and Okra, Beets, Carrots, Swiss Chard, Radishes, Lettuce, Mustard, Endive, Cress, Parsley, Herbs and Celery for cutting.

Set out Onion Sets, Chives and Shallots.

Sow Tomatoes, Eggplants and Peppers.

Early Cabbages may be successfully sown. Kohlrabi can be sown, but it is best to sow thinly in drills a foot apart, and thin out to four inches in the rows, instead of transplanting. Towards the end of this month a sowing of the late Cauliflower can be made. A good plan is to sow seed in boxes elevated two or three feet above the ground, as it will keep the Cabbage fly off. The plants should be looked over daily and all green cabbage worms and other vermin removed.

FIELD.—Dig Irish Potatoes planted early, and after well preparing the ground, plant Corn, Beans, Squash, etc.

Sow Cashaw and field Pumpkins.

Sow all varieties of Grass mentioned for March, especially Rhodes Grass.

ORCHARD.—Little is to be done during this month, except perhaps, if the weather is favorable, budding Orange trees on Trifoliata or Sour stocks; keep young trees clean of weeds, and during a dry spell water those which were lately transplanted.

FLOWER GARDEN.—Sow Zinnias Balsams (Lady Slippers), Gomphrenas and Amaranthus, Celosia, Vinca Rosea. Plant Coleus and other foliag plants, Dhlias and Chrysanthemums, Sune flower, Gladiolas and Tuberose bulbs.

Plant all annuals described in this catalogue, and summer flowering bulbs, See Page 78.

IT'S MUCH BETTER TO BE SURE THAN

SORRY

PLANT HUTH'S TESTED SEEDS.

April, 1921.



WEATHER FORECAST FOR APRIL, 1921.

D. of M.	Days of Week	Light and Dk. Moon	Sun on Meridian. h. m.
1	T	☾	12 4
2	F	☾	12 3
3	S	☾	12 3
4	S	☾	12 3
5	M	☾	12 2
6	T	☾	12 2
7	W	☾	12 2
8	T	☾	12 2
9	F	☾	12 1
10	S	☾	12 1
11	S	☾	12 1
12	M	☾	12 0
13	T	☾	12 0
14	W	☾	12 0
15	T	☾	12 0
16	F	☾	11 59
17	S	☾	11 59
18	S	☾	11 59
19	M	☾	11 59
20	T	☾	11 58
21	W	☾	11 58
22	T	☾	11 58
23	F	☾	11 58
24	S	☾	11 58
25	S	☾	11 58
26	M	☾	11 57
27	T	☾	11 57
28	W	☾	11 57
29	T	☾	11 57
30	F	☾	11 57

1st to 3rd, Cloudy Period. A rather damp, misty period for southern and eastern sections. Cloudy, dull and backward weather in states of the north-west and over the Lake region. 4th to 7th, Showery Wave. General rains from Oklahoma eastward to Georgia and the Carolinas. Floods in Ohio river valley and all streams of the lower Mississippi river valley. 8th to 12th, Warm Period. Pleasant, open weather at most points in central, southern and eastern sections. Rain storms with much wind and bluster over states of the Pacific slope and the Rocky Mountain region. 13th to 17th, Rain Period. Heavy rains in southwest, the lower Mississippi valley and upper Lake region. Thunder showers in Texas, Arkansas, Tennessee, Kentucky and the Carolinas. 18th to 22nd, Blustery Spell. Strong gales on Gulf and South Atlantic waters. Wind and bluster general at all points over Rocky Mountain region and states of the Canadian border. 23rd to 25th, Cool Wave. Sharp frosts in the northwest with chilly nights and mornings in states from Colorado eastward to Ohio and the Virginias. Temperature 35 degrees at Denver, 32 at Topeka, 30 at Chicago and 32 at Albany. 27th to 30th, Storm Period. Heavy rainfall in central states and lower Lake region.

SMALL ORDERS—WE LIKE THEM

A seed order for 10 cents worth is not too small to send to us. All orders, large and small are welcome at Huth's. We are glad to have your order, no matter how small, and the better results you will always get in your garden, always make it worth while to send to Huth's for the seed. Please don't think that a 10 to 50 cents order is too small to send to us. We fill tens of thousands of these small orders every year. They are always welcome and receive the same careful treatment and handling that larger ones do. Send your order in now.

VEGETABLE GARDEN.—Sow as directed for April. Where Potatoes and Onions were taken up. Corn, Melons, Cucumbers, Squash and Pumpkins can be planted.

All varieties of early cabbage can be sown this month.

During the hot weather Lettuce requires a good deal of water, as it will, if neglected, soon become hard and tasteless. In fact, it is combined with a good deal of labor to raise good Lettuce during the summer months. Okra can be sown.

Large White Solid Celery may be sown now but must be well shaded, and if the weather is dry, should be regularly watered.

Lima and Pole Beans can be planted, the Stringless Green, Kentucky Wonder and White Creaseback are the best varieties for late planting. Plant Pink and Pinto Frijole Beans and Tepary for shelling.

FIELD.—Cow Peas Whipporwill, Cream, or Crowder can be planted, the latter is the best to be used green. Plant Blackeyed Peas.

Sweet Potato Slips or vines can still be set out, taking advantage of an occasional rain; but if it does not rain they must be watered. As the tops of Shallots get dry, which indicates their being ripe, they are fit to be taken up and stored away in a dry, airy place, taking care not to lay them too thick, as they are liable to heat.

Grass and Field Seeds, Sorghum, Field and Cow Peas, Soja and Velvet Beans, Millet, Milo Maize, Feterita, Egyptian Wheat, Field and Broom Corn can also be planted.

ORCHARD.—Besides Budding nothing can be done.

FLOWER GARDEN.—Follow instructions given for last month.

Mangel Wurzels make splendid Hog and Cattle food, are easily grown and amply repay the stock raisers who grow this valuable forage root. A trial will convince you of their value for fall and winter feeding. They also improve the health of animals and increase the milk yield of cows.

May, 1921.



D. of M.	Days of Week	Light and Dk. Moon	Sun on Meridian.
			h. m.
1	S	☾	11 57
2	M	☾	11 57
3	T	☾	11 56
4	W	☾	11 56
5	T	☾	11 56
6	F	☾	11 56
7	S	☾	11 56
8	S	☾	11 56
9	M	☾	11 56
10	T	☾	11 56
11	W	☾	11 56
12	T	☾	11 56
13	F	☾	11 56
14	S	☾	11 56
15	S	☾	11 56
16	M	☾	11 56
17	T	☾	11 56
18	W	☾	11 56
19	T	☾	11 56
20	F	☾	11 56
21	S	☾	11 56
22	S	☾	11 56
23	M	☾	11 56
24	T	☾	11 56
25	W	☾	11 56
26	T	☾	11 56
27	F	☾	11 56
28	S	☾	11 56
29	S	☾	11 57
30	M	☾	11 57
31	T	☾	11 57

Weather Forecast
1st to 4th, Cloudy
 Period. Wind and rain in Texas, Oklahoma, Arkansas, Tennessee, Kentucky, Indiana and Ohio. Cloudy and foggy over Great Lakes and states on the Atlantic boarder. **5th to 8th, Warm Wave.** Summer-like weather at most points. General warmth in states south of Missouri, Kentucky and the Virginias. Temperature 90 degrees at Wichita, 88 at Memphis, 85 at Cincinnati, 82 at Philadelphia and 80 at Boston. **9th to 13th, Showery Period.** Heavy rainstorms in the west. Cloudy and damp in southern states and along the South Atlantic slope; showery east. **14th to 17th, Warm Wave.** Advanced heat at all points in states lying on Gulf border and the south Atlantic seaboard. Sultry conditions in Middle Atlantic states. Seasonable in Nebraska, Iowa, Illinois, Indiana, Ohio and Pennsylvania. **18th to 21st, Thunder Showers.** General storm period for all points east of the Rocky Mountains. Cyclones in Oklahoma, Kansas, Missouri. General rains over region of the Great Lakes and New England. **22nd to 26th, Cool Period.** Fresh, cool nights and mornings in northwestern and central states. Frost in Montana, North Dakota, Minnesota and Wisconsin. **27th to 31st, Warm Spell.** Fine summer weather general. Seasonable at all points east of the Mississippi river. Hot and dry in Colorado, New Mexico and Texas.

OUR SEEDS

are all tested by our Grower before being shipped to us, and immediately upon their arrival here they are tested in the Standard Seed Tester and in the ground, thereby assuring perfect germination. It is to our interest to sell the very best seed. We are in the business to stay and are in the business fifty-seven years which is proof of itself of our faithfulness in selling the very best seed obtainable.

ALL OF OUR CABBAGE SEED IS HIGH BRED AND FULLY TESTED

VEGETABLE GARDEN.—The sowing during this month is similar to the preceding. The growing crops will require much attention as weeds grow fast at this time.

Corn may be planted for the last supply of roasting ears, also Water and Musk Melons. Cucumbers, Okra, Squash and Pumpkins planted during this month generally do well, but if the weather is hot and dry, they require an abundance of water.

Burgers Green Stringless, Early Golden Cluster Wax, Kentucky Wonder and White Creaseback Pole Beans are the best to plant this month, as they stand more heat than other varieties. Continue to set out Sweet Potato slips or vines.

Sow all kinds of Radishes, Mustard, Endive, and Lettuce. Before sowing soak the seeds for two hours in water, take them out, put in a piece of cloth and set in a cool damp place, or if convenient in an ice box, which is best. Keep the cloth moist, and in four to six days the seeds will sprout. Then sow them. It is best to do so in the evening, and give a good watering.

If the seeds are sown without being sprouted, ants will be likely to carry them away before they can germinate, and the seedsman be blamed for selling seeds that did not grow. This sprouting has to be done from May to September, or, if the weather is warm and dry in the latter month, up to the middle of October.

Should the weather be moist and cool in the fall it can be dispensed with.

Cabbage for winter crops can be sown in this month, as the plants are generally easier raised during this than the following months.

Sow Tomatoes for late crop towards the end of this month.

FIELD.—Cow Peas, Canada Field Peas Soja and Velvet Beans, Feterita, Egyptian Wheat, Sorghum and all varieties of Field Corn can still be sown. Plant Sweet Potato slips or vines for a late crop.

ORCHARD.—Nothing can be done.

FLOWER GARDEN.—Follow instructions given for April.

THE MONEY SAVING CROPS

are just about as important as any. Be sure and make plenty of grain and forage in 1921.

June, 1921.



6th 12th 20th 28th

D. of M.	Days in Week	Light and Dk. Moon	Sun on Meridian.
			b. m
1	W	☾	11 57
2	T	☾	11 57
3	F	☾	11 57
4	S	☾	11 57
5	S	☾	11 58
6	M	☾	11 58
7	T	☾	11 58
8	W	☾	11 58
9	T	☾	11 58
10	F	☾	11 59
11	S	☾	11 59
12	S	☾	11 59
13	M	☾	11 59
14	T	☾	11 59
15	W	☾	12 0
16	T	☾	12 0
17	F	☾	12 0
18	S	☾	12 0
19	S	☾	12 0
20	M	☾	12 1
21	T	☾	12 1
22	W	☾	12 1
23	T	☾	12 1
24	F	☾	12 2
25	S	☾	12 2
26	S	☾	12 2
27	M	☾	12 2
28	T	☾	12 2
29	W	☾	12 3
30	T	☾	12 3

Weather Forecast

1st to 4th, Storm Period. Great electrical activity with destructive wind, lightning and hail at local points in Oklahoma, Kansas, Iowa, Missouri, Mississippi, Alabama and Georgia. Floods and washouts at many points. 5th to 9th, Damp, Cool Wave. Much mist and fog along all maritime shores and other lowland sections. Cool, backward weather for states of the northwest, Lake region, New York and New England. 10th to 13th, Warm Wave. Great heat at points east and west. Sweltering conditions in all the larger cities of the south and middle west. Fine growing season from Texas northward to Iowa. 14th to 18th, Storm Period. Severe thunder storms with sharp lightning and hail in southern and eastern states. Tornado storms in Kansas, Iowa, Illinois, Indiana and Ohio. 19th to 21st, Advanced Heat. Great hot wave spreading itself over western, central and southern sections at this time. Abnormal temperature at many points. Temperature 109 degrees at Ft. Dodge, 103 at Hannibal, 102 at Cincinnati and 100 at Richmond. 22nd to 24th, Showery Period. Sudden dashes of wind and rain in the west and northwest. Heavy rainfall in Arkansas, Missouri, Iowa and Illinois. Cloudy weather over Lake region, the Middle Atlantic and New England states.

A GOOD FALL GARDEN IS A HELPER

It helps a lot keeping down your store bills and gives a variety on your table. Too many have the idea that a fall garden should be limited to a turnip and collard patch. That turnip patch is a mighty good thing, but there are plenty of other vegetables as well—Beets, Beans, Cabbage, Lettuce, Radishes, Squash, Onions, Spinach, Kale, etc., all coming in and adding variety to your table health to yourself and family. Don't forget to plant a good fall garden.

VEGETABLE GARDEN.—Towards the end of this month plant Pole and Bush Beans. In the early part sow Tomatoes for the last crop; also some Corn for roasting ears.

Cucumbers can be planted for pickling. Endive, Lettuce, all Radishes, as well as fall Cauliflower and Cabbage.

In new ground some Turnips and Ruta Baga can be sown.

Plant all varieties of Cabbage mentioned in catalogue. Some seasons we have early frosts, and other seasons not before January, and Cabbage is most easily hurt by frost when heading up. When the plants are headed up, they are not so much affected by cold weather. It is, therefore, necessary to make two or more sowings at different times, so that in case some of the Cabbage is destroyed by frost, the other is coming on. As a general rule plants raised from seed sown in July and August give the best results, they are almost sure to head.

All Cabbage requires a strong, good soil but the Surehead and Flat Dutch in particular.

The ground should be well fertilized with either stable manure, cotton seed meal or superphosphate, but we consider Cow Peas and Velvet Beans planted on the Cabbage land and plowed under the best and cheapest fertilizer.

A large quantity of seed must be sown at this time of the year, as it is sometimes very difficult to get a proper stand, and it is always better to have some plants left over than to be short.

It is a very difficult matter to protect the young Cabbage plants from the ravages of the insects, which are, especially after a mild winter, plentiful.

Strong Tobacco water or Tobacco dust has been found very beneficial; also Tobacco stems cut fine and scattered over the ground, will keep them off to some extent. Slug shot is also very good for this purpose.

FIELD.--Field Corn, Cow Peas, Canada Peas. Feterita, Egyptian Wheat and Sorghum can be planted.

July, 1921.



D. of M.	Days of Week	Light and Dk. Moon	Sun on Meridian.	h.	m.
1	F	☾	12	3	
2	S	☾	12	3	
3	S	☾	12	3	
4	M	☾	12	4	
5	T	☾	12	4	
6	W	☾	12	4	
7	T	☾	12	4	
8	F	☾	12	4	
9	S	☾	12	5	
10	S	☾	12	5	
11	M	☾	12	5	
12	T	☾	12	5	
13	W	☾	12	5	
14	T	☾	12	5	
15	F	☾	12	5	
16	S	☾	12	5	
17	S	☾	12	5	
18	M	☾	12	5	
19	T	☾	12	6	
20	W	☾	12	6	
21	T	☾	12	6	
22	F	☾	12	6	
23	S	☾	12	6	
24	S	☾	12	6	
25	M	☾	12	6	
26	T	☾	12	6	
27	W	☾	12	6	
28	T	☾	12	6	
29	F	☾	12	6	
30	S	☾	12	6	
31	S	☾	12	6	

Weather Forecast
1st to 3rd, Hot Spell. Great heat for all sections of the southwest and mid-
dlewest. Dry and dusty weather from Kansas and Oklahoma eastward to Tennessee, Kentucky, and Ohio. Temperature 106 at Wichita, 105 at St. Louis, 104 at Cincinnati and 100 at Pittsburg. **4th to 9th, Cloudy Spell.** Dull, damp and cloudy in states from the Dakotas eastward to the Florida coast. Dry and dusty in of the Pacific slope. **10th to 14th, Mild Period.** Fresh, cool nights in states of the northwest and on Pacific highland. Pleasant, enjoyable weather over lake region, Middle Atlantic and New England states. **15th to 19th, Cool Spell.** Cool nights and mornings over Rocky Mountain region and states west of the Mississippi river. Damp and cool along all coastal waters. **20th to 24th, Dry Period.** Dry and drouthy weather at most points in southwestern, central and eastern sections. Dust storms and parching condition in Colorado, Kansas and Missouri. **25th to 28th, Windy Spell.** Cool nights and hot days at most points west of the Mississippi river. Much wind and bluster in states of the Gulf of Mexico and south Atlantic Ocean borders. **29th to 31st, Showery Period.** Local rains in Texas, Arkansas, Mississippi, Alabama, Tennessee and Kentucky. Cloudy and threatening weather for states bordering on the Great Lakes, New York and New England.

TREE TANGLEFOOT

To protect trees against all climbing insect pests in the most effectual, economical and simple way, use **TREE TANGLEFOOT**. A sticky substance applied directly to tree trunks. Will not injure trees. Once applied remains sticky three to four months in all kinds of weather, or ten to twenty times as long as any other known substance. Easily applied with wooden paddle. A pound makes about 9 lineal feet of band. Needs no mixing, always ready for use. Far superior to burlap bands, that require daily inspection to give partial protection, while **TREE TANGLEFOOT** bands require only an occasional inspection to give absolute protection. For prices see page 109.

August, 1921.

Weather Forecast

1st to 3rd, Warm Wave. Hot wave for all portions of the middle west. Drought in Kansas, Nebraska, Iowa, Illinois, Indiana and Ohio. Temperature 103 degrees at Los Angeles, 106 at Phoenix, 103 at Denver, 102 at Cairo, 100 at Indianapolis and 99 at Pittsburg. **4th to 8th, Showery Period.** Local rains in Arkansas, Missouri and Illinois. Damp, cloudy and misty in Gulf and south Atlantic states. Windy from the Dakotas eastward over Lake region. **9th to 12th, Variable Period.** Warm and dry at most points in western and central states. Much wind and bluster over states of the Pacific slope and those bordering on the Canadian northwest. **13th to 17th, Cool Wave.** Rather cool for August at all points east and west. Temperature 35 degrees at Helena, 37 at Duluth, 40 at Chicago, 45 at Cincinnati, 47 at Washington and 46 at Boston. **18th to 22nd, Thunder Showers.** General rains with heavy thunder locally in states of the lower Mississippi valley and those of Gulf and South Atlantic states. Threatening weather with local thunder showers in California, Arizona, and New Mexico. **23rd to 27th, Cool Spell.** Cool weather with mist and fog generally prevalent in southwestern southern and eastern sections. Cool, fresh nights and mornings over states of the northwest and those bordering on the Great Lakes.



3rd

10th

18th

26th

D. of M.	Days of Week	Light and Dk. Moon	Sun on Meridian.
			h. m.
1	M	☾	12 6
2	T	☾	12 6
3	W	☾	12 6
4	T	☾	12 5
5	F	☾	12 5
6	S	☾	12 5
7	S	☾	12 5
8	M	☾	12 5
9	T	☾	12 5
10	W	☾	12 5
11	T	☾	12 5
12	F	☾	12 4
13	S	☾	12 4
14	S	☾	12 4
15	M	☾	12 4
16	T	☾	12 4
17	W	☾	12 4
18	T	☾	12 3
19	F	☾	12 3
20	S	☾	12 3
21	S	☾	12 3
22	M	☾	12 2
23	T	☾	12 2
24	W	☾	12 2
25	T	☾	12 2
26	F	☾	12 1
27	S	☾	12 1
28	S	☾	12 1
29	M	☾	12 1
30	T	☾	12 0
31	W	☾	12 0

VEGETABLE GARDEN.—During this month gardeners in the South are very busy with sowing and planting Bush Beans, Pole Beans, Black Eyed Peas, Alaska, Gradus, First Best Peas can be planted, also all varieties of Cabbage and Cauliflower, Broccoli, Brussels Sprouts and Kale, Parsley, Chervil, Lettuce, Endive and Sorrel, but if the weather should be very dry, the seeds have to be frequently watered. It is best to cover Parsley seed with moss or brush until it begins to come up. All varieties of Radish should be sown.

Sow Swiss Chard, Mustard and Cress, all varieties of Turnip and Ruta Baga, and also Vienna Kohlrabi.

Carrots should be sown in the latter part; if the weather is favorable; but if hot and dry it is useless to do much, as seeds cannot come up well without being watered.

All varieties of Celery should be sown now.

If not too hot and dry, Beets of all kinds may be planted; but it is better to wait until the following month.

Set out Shallots, Onion Sets, Lima, Pinto, Tepary, Pink, Red and White Kidney Beans for shelling should be planted at the early part of this month.

If Celery plants are set out during this month they require to be shaded.

FIELD.—Potatoes saved from the spring crop, should be planted early this month for a winter crop; the smaller Potatoes are selected for that purpose and planted whole. Mexican June Corn can be planted in the early part of the month. Sow Cow and Field Peas, Velvet and Soja Beans, Millet and Sorghum.

ORCHARD.—Nothing can be done with any degree of success during this month.

FLOWER GARDEN.—Sow Balsams (Lady Slippers), Zinnia, Cockscomb, Gomphrena, etc., to bloom for November Plant Spring annuals as described in this catalogue.

Inoculate with **FARMOGERM** and make better corps. See page 102.

BLUE BUG EXTERMINATOR

Guaranteed to absolutely rid fowls of Blue Bugs, Lice, Fleas and other vermin or money refunded. Blue Bug Exterminator is not a dope that you have to catch the fowls to apply, but a food that is fed with the other feed. And we positively guarantee that Blue Bugs, Lice or Fleas will not stay on fowls that are fed on this remedy. If little chicks are bothered with fleas, feed them 2 or 3 times with this food and the fleas will all drop off.

Price 50c, 60c and \$1.00 size, add 5c if ordered by parcel post.

VEGETABLE GARDEN.—Mostly all seeds recommended for last month can be sown this month, but some more should be added to them.

In the early part plant bush beans, as they will bear before frost sets in. Also plant all early varieties of Peas. All kinds of Radishes arrots, Beets, Parsnips, Salsify, Chervil, Par-ey, Sorrel, Cress, Lettuce, Endive, Leeks, urnips, Kohlrabi, Broccoli, Caulilower, Kale, Celery, Corn Salad and Mustard can be sown during this month. All herbs page 56.

Begin sowing Onion Seed of all varieties after the 15th of this month. As this is one of the most important crops, it should not be neglected.

Transplant Celery plants in ditches made for that purpose, and if the weather is favorable set out Lettuce, Beet, Cabbage and Cauliflower plants.

If the weather is not too hot and dry, Spinach may be sown, but has to be well watered, otherwise it is impossible to get a stand.

Some Cabbage seed can be sown, but Cabbage sown in this month will generally not do as well as seed sown during the previous month.


Set out, divide and transplant shallots, set out Onion sets and Chive plants, sow Sorrel and Turnip-rooted Celery.

FIELD.—Continue to plant Potatoes for an early winter crop. Use only small ones left over from a late spring crop, but do not cut them as they are apt to rot. Plow under the Cow Peas and prepare land to set out Cabbage and Cauliflower plants. Sow seed Rye, Barley, Wheat, Speltz, Vetches, all varieties of Clovers, Dwarf Essex Rape, Alfalfa, Johnson, Bermuda, English Rye, Rescue, Rhodes Grass and all varieties of Millet.

ORCHARD.—Continue to bud if the weather is not too dry and the stools remain in sap.

FLOWER GARDEN.—During this month flower seeds such as Pansy, Daisy, Sweet Alyssum, Candytuft, Stocks, Flowering Sweet Peas, Phlox, Chinese, Japan, Marguerite and Carnation Pinks, Asters, etc., can be sown. Plant Hyacinth bulbs for early blooming at the end of the month. Sow on your lawn English Rye Grass for winter lawn.

September, 1921.

			
1st	8th	17th	24th
D. of M.	Days of Week	Light and Dk. Moon	Sun on Meridian. h. m.
1	T	☉	12 0
2	F	☉	11 59
3	S	☉	11 59
4	S	☉	11 59
5	M	☉	11 58
6	T	☉	11 58
7	W	☉	11 58
8	T	☾	11 57
9	F	☾	11 57
10	S	☾	11 57
11	S	☾	11 56
12	M	☾	11 56
13	T	☾	11 56
14	W	☾	11 55
15	T	☾	11 55
16	F	☾	11 55
17	S	☾	11 54
18	S	☾	11 54
19	M	☾	11 53
20	T	☾	11 53
21	W	☾	11 53
22	T	☾	11 52
23	F	☾	11 52
24	S	☾	11 52
25	S	☾	11 51
26	M	☾	11 51
27	T	☾	11 51
28	W	☾	11 50
29	T	☾	11 50
30	F	☾	11 50

Weather Forecast
1st to 3rd, Variable. Fair and open weather common to all sections except in Gulf and south Atlantic states where unsettled conditions will prevail. Rather cool in all states lying on the Canadian border. 4th to 8th, Thunder Showers. Stormy conditions from eastern Texas and lower Mississippi valley and south Atlantic states as far north as the Virginias. Local rains over northern portions. 9th to 13th, Cool Spell. Fall-like conditions in Colorado, Wyoming, Montana, Idaho, the Dakotas and Nebraska. Local frost in upper Mississippi and Missouri river valleys. 14th to 18th, Rain Period. Sudden dashes of wind and rain over Texas, Arkansas and Missouri. General rains in states bordering on the Gulf of Mexico and South Atlantic Ocean. Continued rainfall in states of the north Pacific slope 19th to 22nd, Storm Period. High winds and sudden squalls of rain for most points west of the Mississippi river. General want of rain felt from Illinois and Kentucky eastward. Threatening southern portions. 23rd to 26th, Pleasant Wave. Fair and frosty over Rocky Mountain region and states of the northwest. Mild, open weather from Kansas and Oklahoma eastward to the Carolinas and Virginia. 27th to 30th, Warm Wave. Rather warm weather for September over states of the southwest, central and Middle Atlantic states.

REGARDING INSECTS

Of the hundreds of insects which attack plant-life there are two distinct classes—the “chewing” (eating) kind and the “sucking” kind. The “chewing” insects, such as beetles, caterpillars, etc. can be destroyed by spraying the foliage with a poison, such as Arsenate of Lead, which kills when it is eaten. On the other hand, the “sucking” insects feed by inserting their sharp, slender beaks into the interior of the leaf, blossom etc.. They cannot eat plant tissue, and hence cannot eat poisons. They must therefore be destroyed with a preparation which kills by coming into contact with their bodies in other words by a “contact” insectide. The most common sucking insects, with soft bodies, are the aphids (plant lice), thrips and leaf-hoppers. They may be effectively controlled with “Black Leaf 40,” a concentrated solution of nicotine sulphate guaranteed to contain 40% of nicotine by weight See page 107.

October, 1921.



1st 8th 16th 23rd 30th

Weather Forecast 1st to 4th, Storm	D. of M.	Days in Week	Light and Dk. Moon	Sun on Meri- dian.	
				h.	m.
	1	S	☉	11	49
	2	S	☉	11	49
	3	M	☉	11	49
	4	T	☉	11	48
	5	W	☉	11	48
	6	T	☉	11	48
	7	F	☉	11	48
	8	S	☉	11	47
	9	S	☉	11	47
	10	M	☉	11	47
	11	T	☉	11	46
	12	W	☉	11	46
	13	T	☉	11	46
	14	F	☉	11	46
	15	S	☉	11	45
	16	S	☉	11	45
	17	M	☉	11	45
	18	T	☉	11	45
	19	W	☉	11	45
	20	T	☉	11	44
	21	F	☉	11	44
	22	S	☉	11	44
	23	S	☉	11	44
	24	M	☉	11	44
	25	T	☉	11	44
	26	W	☉	11	44
	27	T	☉	11	44
	28	F	☉	11	43
	29	S	☉	11	43
	30	S	☉	11	43
	31	M	☉	11	43

Wave. Heavy rain storms spreading from the Gulf of Mexico northward to the Great Lakes. Very rainy period in states of the north Pacific slope. Thunder showers in Iowa, Minnesota and Wisconsin. **5th to 9th, Cool Spell.** Fresh, cool nights and fall-like days at most points east and west. Temperature 25 degrees at Denver. 27 at Topeka, 28 at St. Louis, 30 at Louisville and 32 at Parkersburg. **10th to 14th Fair Period.** Pleasant autumn weather general. Hazy conditions in the south and eastern portions. **15th to 18th, Rain Wave.** General rainfall in central, southern and eastern sections. Much mist and fog over Great Lakes and north Atlantic coast. Cloudy and dismal weather on north Pacific slope. **19th to 23rd, Blustery Spell.** Strong gales from California eastward to Texas, Oklahoma and

VEGETABLE GARDEN.—This is the month when Artichokes should be dressed, the suckers or sprouts taken off and transplanted.

Onion seed can be sown but it is better to get in the ground as soon as possible, so that the plants get large enough before cold weather comes on.

Alaska, First and Best Peas can be planted.

Sow Cabbage, Spinach, Cauliflower, Broccoli, Brussels Sprouts, Kale, Mustard, Swiss Chard, Carrots, Beets, Salsify, Leeks, Corn Salad, Parsley, Chervil, Kohlrabi, Lettuce, Radishes, Endive, Parsnips and Herbs,

FIELD.—Speltz, Wheat, Rye, Barley, Rape and Oats should be planted for stock food, also Rhodes Grass and all varieties of Clover. Alfalfa, English Rye, Rescue and all varieties directed for September.

ORCHARD.—Spray your fruit trees in order to destroy scale and other insects, and prepare land to set out more trees. If the weather is good and the trees are in sap, bud Orange trees.

Transplant Strawberry plants, they have to be transplanted every year, as they cannot be left in the same place for several years, as is done in the North.

Senator Dunlap, Excelsior, Michel's Early, Ocean City, Improved Hoffman, Lady Thompson and Klondyke are the favorite varieties for the Southern States.

FLOWER GARDEN.—Continue to sow Flower seeds of all spring blooming varieties. Plant Hyacinth, Narcissus, Tulip and Lily bulbs, Pansies, Daises, Sweet Alyssum, Candytuft, Petunias, Phlox, Verbenas, Columbine, Chinese, Japan and Carnation Pinks, Snapdragon. Flowering Sweet Peas, Sweet William, Stocks and Poppy Plant English Rye Grass for your winter lawn.

TO MEASURE GRAIN IN THE BIN

By the United States standard, 2,150 cubic inches makes a bushel; a cubic foot contains 1,728 cubic inches. Rule: Multiply the number of feet wide of bin by the length, the result by the depth, then divide the product by 5 and multiply the quotient by 4, which number will give the quantity of bushels.

THE FOLKS WITH A GOOD HOME GARDEN

One of those good home gardens that is kept busy all the season, are always sure of a well filled table of healthful food. Somertime is vegetable growing and eating time, for your health's sake as well as your pocket's sake. There's nothing that will cut store bills quicker than a good home garden, the kind you grew from HUTH'S Seeds.

IF YOU WANT GARDEN PROFITS SOW HUTH'S SEEDS

VEGETABLE GARDEN.—During this month continue to sow all varieties of winter vegetables as during the previous month.

All varieties of Cabbage can be sown this month and they will make fine heads in the spring.

Sow Spinach, Lettuce, Radishes, Beets, Turnips, Mustard and all fast growing vegetables.

Hot-beds should be gotten ready now for Cucumbers, manure for same should be looked after, it ought not to be over one month old. Set out Shallots, Chives, and Onion Sets.

FIELD.—Continue to sow all varieties of Grasses, Field and Clover Seed as directed for September and October.

ORCHARD.—Prepare your land to set out fruit trees, transplant those which are dormant.

FLOWER GARDEN.—Sow Flower seeds of all kinds in boxes and transplant when large enough into open ground, such as Pansy, Daisy, Phlox, Petunia, Chinese and other Pinks, Alyssum, Candytuft, Larkspur, Lobelia and Poppy. Sow Sweet Peas.

Set out roses and other hardy plants, in December.

Plant Hyacinths, Tulips, Narcissus, Jonquils, Crocus and Snowdrops in open ground or flower pots for forcing

To force Hyacinths and other bulbous rooted plants in flower pots, use light but rich soil, plant in 5 inch pots, so that the top of the bulbs are covered half an inch.

Give one good watering and bury the pots 6 inches under the ground, until the bulbs are well rooted, which takes from 4 to 5 weeks. When well rooted take the pots out of the ground and gradually expose to the light, when they will soon put out and bloom well. Plant English Rye Grass for your winter lawn.

November, 1921.



D. of M.	Days in Week	Light and Dark Moon	Sun on Meridian.
			h. m.
1	T	☾	11 43
2	W	☾	11 43
3	T	☾	11 43
4	F	☾	11 43
5	S	☾	11 43
6	S	☾	11 43
7	M	☾	11 43
8	T	☾	11 43
9	W	☾	11 43
10	T	☾	11 43
11	F	☾	11 44
12	S	☾	11 44
13	S	☾	11 44
14	M	☾	11 44
15	T	☾	11 44
16	W	☾	11 44
17	T	☾	11 44
18	F	☾	11 45
19	S	☾	11 45
20	S	☾	11 45
21	M	☾	11 45
22	T	☾	11 46
23	W	☾	11 46
24	T	☾	11 46
25	F	☾	11 46
26	S	☾	11 47
27	S	☾	11 47
28	M	☾	11 47
29	T	☾	11 48
30	W	☾	11 48

Weather Forecast 1st to 3rd, Variable Period. Unsettled conditions in states of the southwest and Rocky Mountain highlands. Cloudy, dull and generally disagreeable over the northwest and the Lake region. **4th to 8th, Cold Wave.** Sudden drop in temperature at most points west of the Mississippi river. Chilly nights and mornings as far south as northern Arkansas, Mississippi, Alabama and Georgia. **9th to 12th, Storm Wave.** Strong wind with dashes of rain and sleet in northwestern, central and eastern sections. General gales and squalls on all coastal waters. Much danger to the mariner at about this time. **13th to 17th, Frosty Period.** Stiff frosts with ice and frozen ground at most points north of Oklahoma, Arkansas, Tennessee and the Carolinas. "Indian Summer" over states of the northwest, middle-west, Middle Atlantic and New England states. **18th to 21st, Pleasant Period.** Warm, smoky and generally fine November weather. Summer warmth felt at this time. **22nd to 26th, Cool Spell.** Backward weather at points in the far west and middlewest. Raw cold winds in states bordering on the Great Lakes, in New York and New England. **27th to 30th, Frosty Spell.** Stiff frost, ice and frozen ground common to all states except those on the Gulf border and those of the south Atlantic coastal plain.

THEY STAND THE TEST—HUTH SEEDS—THEY ARE THE BEST

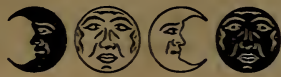
Nothing in this world is more disappointing than to spend your time and money preparing your ground, fertilizing it, seeding it, cultivating it, watching it, only to find the crop, when you should be enjoying it, a FAILURE.

It is not possible to guard against this entirely, so much depends upon the care with which the ground is prepared, the seeds planted, afterwards cultivated, etc., and the weather may be unfavorable, but ONE thing EVERYONE can do—PLANT ONLY THE BEST SEEDS. Do not be content with anything less than the best. It is not worth while. There is too much at stake. It does not pay to wait until they are above ground to see whether they are going to grow. The time to find this out is BEFORE YOU PLANT THEM.

December, 1921.

Weather Forecast

1st to 4th, Cloudy Period. Dull, cloudy and generally backward weather in southwestern sections the states of the Mississippi and Ohio river valleys. Sleet and snow in states of the Canadian border. 5th to 9th, Damp Period. Dark, cloudy and drizzly over states of the Pacific slope. Much rain and dampness over Lake region and states of the North Atlantic. Heavy fog on southern coastal waters. 10th to 14th, Cold Wave. Blizzard storms in the northwest with first snow-blockades of the winter in the Rocky Mountains. General snows over lake region, New York and New England. Rain and sleet in Tennessee, Kentucky and the Virginias. 15th to 19th, Fair Wave. Clear, fair weather in states of the northwest, southwest and middle west. Cold nights and mornings in Middle Atlantic and New England states. 20th to 23rd, Storm Wave. Rain, sleet and snow common to central, eastern and northwest portions. General storm period for most of the country. 24th to 27th, Cold. General cold wave sweeping out of the northwest and spreading itself over all states as far south as northern Louisiana, Mississippi, Alabama and Florida. Temperature 10 degrees at Omaha, 15 at Cairo, 18 at Chattanooga and 25 at Jacksonville. 28th to 31st, Unsettled Wave. Slush and dampness common to Arkansas, Tennessee and Georgia.



7th

14th

21st

28th

D. of M.	Days in Week	Light and Dk. Moon	Sun on Meridian. h. m.
1	T	☾	11 48
2	F	☾	11 49
3	S	☾	11 49
4	S	☾	11 50
5	M	☾	11 50
6	T	☾	11 50
7	W	☾	11 51
8	T	☾	11 51
9	F	☾	11 52
10	S	☾	11 52
11	S	☾	11 53
12	M	☾	11 53
13	T	☾	11 54
14	W	☾	11 54
15	T	☾	11 55
16	F	☾	11 55
17	S	☾	11 56
18	S	☾	11 56
19	M	☾	11 57
20	T	☾	11 57
21	W	☾	11 58
22	T	☾	11 58
23	F	☾	11 59
24	S	☾	11 59
25	S	☾	11 0
26	M	☾	11 0
27	T	☾	12 0
28	W	☾	12 1
29	T	☾	12 1
30	F	☾	12 2
31	S	☾	12 2

VEGETABLE GARDEN.—Peas for general crop can be planted.

Spinach, Radishes, Carrots, Lettuce, Endive, and some early Cabbage may be sown.

Sow early varieties of Cauliflower in a frame or a sheltered situation in the open ground to be transplanted in February.

In the latter part of this month sow Peppers, Cucumbers, Eggplants in the hot-bed.

Sow Tomatoes for forcing in a cooled-off hot-bed.

Set out Shallots, Chives, and Onion Sets

FIELD.—Sow White Flowered Sweet Clover, Alfalfa, Red, Alsike, Burr, Japan and Crimson Clover.

ORCHARD.—Prepare ground for fruit trees during this month, and towards the end begin to plant.

Plant Pecan Nuts to raise trees from.

Prune, work and fertilize trees which have been planted during the previous season.

FLOWER GARDEN.—Plant Hyacinths, Tulips, Narcissus, Jonquils, Crocus, Snowdrops Chinese Lilies. Sow all varieties of winter and spring blooming flower seeds in cold frames to be set out in January and February, as for instance Lobelia, Asters, Pansy, Daisy Phlox, Petunia, Chinese and other Pinks, Alyssum, Candytuft, Larkspur, Poppy, Hollyhock, Snapdragon, Adonis, Calceopsis, Heliotrope, Carnations and Reseda. Set out Roses and other hardy plants, and all varieties of Herbs. Plant English Rye grass for your winter lawn.

Plant Sweet Peas.

Clover, all varieties of Grass seed, Speltz, Rye, Barley, Wheat and Oats for stock food.

STRAWBERRIES

Along with the year 'round gardening for health's sake and the pocket's sake, why not plant some of the extra good things in the fruit and berry line as well. See Page 86.

NOTICE

Have you hay, grain, produce, truck, hogs cattle, etc., for sale and don't know the names of buyers just let us know what you have and we will gladly assist you.

PLANT A GOOD FALL GARDEN AND SAVE YOURSELF MONEY

That's an exact fact. Every farm and back yard garden in town is a money saver. Every mess of vegetables from the garden cuts down the store bill just that much. Plant a real fall garden this year. It can save you almost as much as a good spring garden. Give the fall garden a square deal and it will surprise you by its money-saving capacity.

OUR MOTTO: NOT HOW CHEAP; BUT HOW GOOD

STANDARD VARIETIES OF VEGETABLES

SEEDS BY MAIL

We will send, postage paid, all Vegetable—and Flower—Seeds, at the prices given in this Catalog, except heavy seeds, such as Beans, Peas, Corn, Field Seeds, Grass Seeds and Onion Sets. If these are wanted by mail it will be necessary to add to the remittance 5 cents per pound in small lots or in larger quantities regular parcel post charges. See page 2.

ARTICHOKE

Artichoke

CULTURE. Sow in February in rich soil and transplant the following spring to permanent beds (in rows or hills) three feet apart and two feet between the plants. Green Artichoke gives only partial crop the first of the season, but the beds will be bearing for years. Protect in winter by covering of leaves or coarse manure.

LARGE GREEN GLOBE. The standard variety. Produces large, globular heads, scales, green shading to purple. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb \$1.25.

JERUSALEM ARTICHOKE. Cultivated for its roots, which make an excellent crop for stock feeding. Tubers in season. 10c per pound, parcel post extra. For full description and prices in quantities, see field section, page 103.

LARGE GREEN GOLBE
ARTICHOKE,

ASPARAGUS

Spargel.

Aspargo.

CULTURE. The seed can be sown in any garden soil and should be sown in rows about 14 inches apart as early in the spring as possible. Cultivate thoroughly and thin plants to three inches in the row. The permanent bed should be of deep, rich, loamy soil, well stirred, and as these beds must bear for a good many years they should be well manured and fertilized. If the soil is of stiff clay it should be loosened up by using plenty of sand or even coal ashes. Have rows from two to four feet apart and set the plants a foot apart and at least six inches below the surface. Cut sparingly the second season but after that the beds will yield full crops. One ounce of seed will produce about 250 plants and it takes four to five pounds to the acre.

For full directions how to grow Asparagus, get our Asparagus Book by Hexamer. Price 50 cents.

COLUMBIAN MAMMOTH WHITE. A magnificent variety. It furnishes fine, white shoots, which stay white as long as they are fit to use without any artificial means of blanching. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00 postpaid.



ASPARAGUS

PALMETTO. Of bright green appearance, very large size and even, regular growth. Its immense productiveness combined with earliness and good qualities, make it a fine variety for general use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 70c postpaid.

ROOTS OF THE ABOVE VARIETIES. 25c per dozen; \$1.00 per 100. Price for larger quantities on application.

DON'T WAIT UNTIL THE BUGS

have eaten up half your crop before you begin to think about a remedy. You can be reasonably sure that Mr. and Mrs. Bug are going to come around and try to raise several Bug families in your patch. The right way, the safe way, is to keep Bug Death around the house and at the first sign of Mr. Bug's appearance in your crops, either dust or spray the plants with Bug Death and Mr. and Mrs. Bug will shortly be in a condition that will make the raising of "Bug" families impossible in your neighborhood. It will be a bug funeral instead of a large increase in the family, and in the meantime your crops will go on to maturity uninjured. You may think it strange that we say "dusted or sprayed" on the plants. That's exactly correct and one method is as good as the other. If you have a powder gun or shaker you can dust the fine powder on the plants when they are wet with rain or dew and it will stick so tight that it will take the hardest kind of rain to wash it off. If you have a sprayer, and are working on a large scale, dissolve about 12 to 15 pounds of Bug Death in 12 quarts of clean water and spray it on. This much will go over an acre of vegetables and the bugs will quit eating the leaves of your plants in a hurry. For prices see Page 108.

HUTH'S SEEDS ARE TRUE TO NAME AND QUALITY

BUSH BEANS.

NOTICE

We are selling everything by the pound. A pound of beans is equal to a little more than a pint.

CULTURE. Plant in drills about two inches deep and from 18 inches to two feet apart, according to the richness of the soil—the poorer the soil the closer the rows can be, and the plants should be about 4 inches apart. A succession of sowings can be made from the first week in February until September. One pound to 60 feet of drill: 1 to 1½ bushels to the acre.

BURPEE'S STRINGLESS GREEN POD

The best green podded bean on the market. It is very early extremely vigorous and produces an abundance of brittle stringless pods. Pkt. 5c; ½ lb. 20c; 1 lb. 35c postpaid.

EXTRA EARLY RED VALENTINE

An old favorite and has only recently been surpassed by the Stringless Green Pod. Very prolific and the pods are fine and round, and very tender while young. It is as early as the preceding one, but the pods are not quite as long nor as straight. Pkt. 5c; ½ lb. 20c; 1 lb. 35c postpaid.

BLACK VALENTINE (45 days).

Popular in the South on account of its blight-resisting qualities. Matures early, producing long, round, straight pods, which are tender when quite young. Pkt. 5c; ½ lb. 20c; 1 lb. 35c postpaid.

EXTRA EARLY REFUGEE OR BROWN SPECKLED VALENTINE

This may be called one of the second early sorts. Pods are round, of good flavor, but because of the great vigor of the bush it needs twice the usual room. Pkt. 5c; ½ lb. 20c; 1 lb. 35c postpaid.

GIANT STRINGLESS GREEN POD VALENTINE

The round meaty pods resemble the Early Red Valentine, but this bean matures a week or ten days later. The pods are quite stringless and brittle at all stages and this variety is to be recommended highly. Pkt. 5c; ½ lb. 20c; 1 lb. 35c postpaid.

LARGE WHITE MARROWFAT

The standard white soup beans. Pkt. 5c; ½ lb. 20c; 1 lb. 35c postpaid.

BROAD WINDSOR

Quite hardy and consequently can be planted very early. Pkt. 5c; ½ lb. 20c; 1 lb. 35c postpaid.

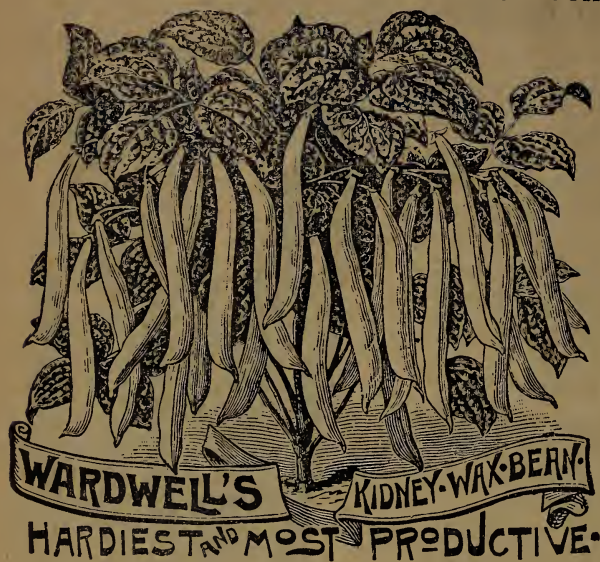
HUTH'S STRINGLESS GREEN POD

We offer this new stringless bean, which is not only of fine quality, but especially valuable, being a week or ten days earlier than other stringless varieties. The plant is small, bushy, very erect, compact, of well-rounded form and prolific. Pods are about 4½ inches long, straight, bright green, oval round through cross section and contain 5 to 6 seeds. The seeds are yellowish and of good size. Pkt. 10c; ½ lb. 25c; 1 lb. 45c postpaid.

WRITE FOR PRICES IN LARGE QUANTITIES



Stringless Green Pod

BEANS—Continued.**WAX PODS.****DAVIS' WHITE WAX**

This bean does not discolor, and is therefore excellent for canning. It is immensely productive and a very good shipper. The pods are straight and 5 to 6 inches in length. The dry bean is white and very desirable for winter use. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

WARDWELL'S KIDNEY WAX

Highly recommended for private planters and market gardeners. The pods are flat, straight and are produced in large quantities. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

IMPROVED GOLDEN WAX. (Rust Proof.)

The standard wax bean for years. The pods are large, slightly flattened, brittle, quite stringless when young and of golden wax color. It is very tender, of fine flavor, and is excellent as a shell bean for winter use. The bushes are of compact growth and very prolific. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

DWARF BLACK WAX

Sometimes called Butter Beans. One of the earliest varieties, producing fine, round meat, pods of good quality. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

PENCIL POD BLACK WAX

Plant grows about 15 inches high, very productive, with straight pods 6 to 7 inches long, light golden yellow color, round, meaty and deeply saddlebacked; flesh brittle, solid and stringless; flavor fine. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

CURRIE'S RUST PROOF BLACK WAX

As near rust proof as a good bean can be. Very vigorous and hardy and productive. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

BUSH LIMA BEANS**FORDHOOK BUSH LIMA**

This potato lima was bred from the old Kummerle or Dreer Bush Lima and is much superior to its parent. It has the very excellent habit of growing stiffly erect and therefore keeping its bean off the ground. Contact with the ground discolors beans and is very detrimental to them. The plants are about 30 inches high and bear an immense crop of fine large pods. The pods are borne in clusters of from five to eight and measure five to six inches long. The beans are delicious and mature eight to ten days earlier than other bush limas.

Pkt. 10c; $\frac{1}{2}$ lb. 30c; 1 lb. 55c postpaid.

BURPEE'S BUSH LIMA

This is the bush form of the Large White Lima. The bush is about 20 inches high and up to two and a half feet in diameter bearing from 50 to 100 large pods. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

HENDERSON'S BUSH LIMA

This bean is about two weeks earlier than the Pole Lima. It needs no stakes and produces an enormous crop of delicious Lima Beans. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

SPECKLED BUSH LIMA.

A brown, flat bean, mottled with deep brown spots, size somewhat larger than Sieva, most prolific bush Lima grown, flourishes in the driest weather and is almost drought proof, a perfect bush butter bean growing 18 inches to 2 feet high, begins blooming early and if kept closely picked, continues to bear until frost kills the plant; good for summer or winter use.

Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.



BEANS—Continued.

POLE OR RUNNING VARIETIES

Stangenbohnen

BURGER'S GREEN STRINGLESS OR WHITE KENTUCKY WONDER. This bean has surpassed the old Kentucky Wonder, it being earlier and bearing for a longer time. The pods are stringless and up to eight inches long, dark green, very tender, and have a delicious flavor. The dry beans are white. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

KENTUCKY WONDER OR OLD HOMESTEAD. This has been for a long time the most popular bean. It is very vigorous, climbs well, and bears abundance of nearly round pods which are often ten inches long. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

KENTUCKY WONDER WAX

LARGE GOLDEN YELLOW PODS, TENDER AND STRINGLESS. This wax podded pole bean commences to bear in 55 days, and keeps or producing until killed by frost. Vines densely laden with a solid mass of long, thick yellow pods, entirely stringless. Seed dark brown. Pkt. 5c $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

WHITE CREASEBACK. Extremely early and mature: all its pods at the same time. Vines are medium sized but wonderfully productive in good soil. The pods are quite round, quite fleshy, medium sized, silvery green, and are borne in clusters of four to twelve. Are excellent snap beans, fine shippers, and are especially fine for baking. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

LAZY WIFE. So named because of the easy picking, and a very popular bean in some localities. Pods are broad, thick, very fleshy, entirely stringless and of a rich buttery flavor when cooked. The beans are white and make a good dry bean for winter use. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

CUT SHORT OR CORN HILL. The old standard for planting among corn. Pods are short, round and tender. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

WHITE DUTCH CASEKNIFE. Pods are large, flat, and green. Can be either snapped or shelled. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

EARLY GOLDEN CLUSTER WAX. The only wax bean among the pole varieties. It bears from July until frost and the pods are six to eight inches long and come in clusters from three to six. The flavor is most excellent. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

Portos de enrame



KENTUCKY WONDER

NEW GUINEA POLE BEANS

This New Edible Vegetable grows 3 to 5 feet long, and weighs 10 to 16 pounds. They grow vigorously in the summer months, providing beans of immense size. The delicate buttery flavor is much appreciated. This bean is quite distinct from the Guada bean, and is not affected by frosts so readily as the latter. Pkg. 10 oz., 20c.

POLE LIMA BEANS

LARGE WHITE LIMA OR BUTTER BEANS. The old favorite and of fine flavor. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

SMALL CARLOINA, OR SIEVA LIMA. This is a small type of the pole limas. It matures quickly, produces immense crops, and makes an excellent bean for winter use. Pkt. 5c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c postpaid.

POLE SPECKLED LIMA. This fine Butter Bean is better adapted for the wants of the Southern farmer than any other variety. It is a certain and abundant cropper. The vines are strong growers and cling well to the poles or trellis. Bear early and late. Both pods and beans are larger than the old white Carolina or Sieva Butter Bean. The beans are speckled in color, white spotted with red, but are of the very highest quality, both in the green and dry state. Pkt. 5c; $\frac{1}{2}$ lb. 25c; 1 lb. 45c postpaid.

TABLE BEETS.

Betrave (Fr.), Roth-Ruben (Ger.), Remolacha (Sp.), Barbabietola (Ital.).

CULTURE. Little art is necessary for the cultivation of this vegetable. One grand essential for an early crop is to dig or plow deep and manure or fertilize well, and sow as early in the Spring as the soil will admit of working; draw drills half an inch deep and eighteen inches apart; sow the seed thinly, cover them thinly, and rake finely; before raking sow a sprinkling broadcast of Early Radish Seed, as they will be fit for pulling before the Beets are ready for thinning, which will be in about four weeks. As soon as the Beets have formed a few leaves, thin them out to three inches apart, allowing the strongest plants to remain. For a Winter crop sow late in Spring or early Summer; on the approach of frost take up the root and cut the leaves off to about two inches of the crown, store them in pits secure from frost, or in a cool, dry cellar, covered with earth or sand. The seeds will always vegetate much sooner by soaking them in water six to twelve hours before sowing. The young plants can also be successfully transplanted during moist weather. One ounce to 100 feet of drill; 6 to 8 pounds to the acre.

EARLY MODEL

The earliest of any beet in existence. It is of perfect globe shape with small tap roots. The color of the flesh is very dark red which makes it splendid for pickling purposes. In flavor it cannot be beat. It is tender, sweet and juicy, retaining its crispness throughout the season. The foliage is of a very dark color, is very small, permitting close planting of beets. This is one of the best acquisitions of recent years, Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c postpaid.

ELECTRIC BLOOD TURNIP

This is a carefully selected strain of this Blood Turnip Beet. It is very early, deep blood red and almost round. It is smooth and an excellent forcing variety. Good for main, spring or summer crop, and is a fine keeper. It cooks sweet and crisp and is an excellent beet in every respect. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c postpaid.

EARLY BLOOD RED TURNIP

This is a turnip beet, and is the old standard among the early varieites. It is of dark red color and is perhaps the most popular of all beets. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c postpaid.

EXTRA EARLY EGYPTIAN

An extra early turnip-shaped variety; has small tops and grows quickly. The flesh is in alternate rings of white and red. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c postpaid.

DETROIT DARK RED

A choice strain of dark red turnip beet of globular to oval shape, with smooth roots and small tops. Skin is blood red, zoned with light shades, tender and sweet. Fine for market and canning. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c postpaid.

THE LENTZ

As early as the Egyptian, flesh very tender and sweet at all times. Very productive, a good keeper and will produce crop in six weeks from time of planting. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c postpaid.

ECLIPSE

This is as early as the Egyptian, but is more desirable owing to its globe shape, smoothness and regularity. It has a small firm top, is very sweet, fine and of dark red color. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c postpaid.

**ECLIPSE****ALAMO COOK BOOK, STEEL TROWEL, AND GARDENERS GLOVES.**

Three excellent articles that should be in every home. The articles to make it a pleasure to work in the gardens while the cook book contains valuable topics on cooking etc. We give these FREE. See page 3.

TABLE BEETS—Continued.

Mammoth Long Red Mangel. Asherton Texas.

HALF LONG RED. Larger than the turnip beet and makes a heavier yield. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c postpaid.

LONG BLOOD RED. The old standard variety for table and cattle. It is the best drouth resister of all; color deep red, flesh very sweet. Grows entirely under the ground. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c postpaid.

SWISS CHARD OR FOLIAGE BEET. This is a distinct vegetable from the common beet, much superior for greens, and is ready for use much earlier. When matured, the plant forms broad, flat and beautifully white and wax-like stems, which are very delicious when cooked as beets and asparagus tips, or pickled. We recommend this beet. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00 postpaid.

MANGEL AND SUGAR BEETS

For Stock Feed these Beets bring Returns.

Every year sees an increase in the number of farmers in the south who plant a crop of Mangel or Sugar Beets for stock or feeding purposes. It is almost impossible to find crops that will give greater returns for the small amount of time and fertilizer spent on them than the Mangels, Sugar Beet and White Belgian Carrots. They are all immense yielders under good cultivation and make an agreeable change of feed for any animal kept on dry forage throughout the winter. In dairy cattle the increased flow of milk and generally improved condition of the animals in the spring will show their great value. Have your ground deeply plowed, then well harrowed until smooth. In the Middle South seed should be sown in the spring, but in Texas and along the Gulf Coast plantings can be made all through the fall. Make rows $2\frac{1}{2}$ to 3 feet apart, planting seed at the rate of about 6 pounds per acre. Both the Mangel and Sugar Beets are equally profitable for stock feeding. Where their value is known almost every farmer plants from one to ten pounds of seed each year, and they find that it pays them well.

STOCK BEETS.

YELLOW GLOBE MANGEL. This beet is easily pulled and more delicate than the Long Red Pkt. 5c; oz. 10c, $\frac{1}{4}$ lb. 25c; 1 lb. 75c postpaid.

GOLDEN TANKARD. This is a yellow beet, the most prolific variety and very nutritious. It is one of the most profitable varieties for stock feeding. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

MAMMOTH LONG RED MANGEL. These roots attain an enormous size and it is a fine variety for feeding. Pkt. 5c, oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

GIANT HALF SUGAR MANGEL. This beet combines the large size of the Mangel with the great feeding value of the Sugar Beets. The flesh is white, crisp and very sweet, and the beet grows well above the ground. We recommend it especially. Pkt. 5; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

SUGAR BEETS.

WHITE KLEIN WANZLEBEN SUGAR. The beet contains 15 to 16 percent sugar, and yields under an average condition, 16 tons to the acre. It has a long slender root, and grows deeply sunk into the ground. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

LANE'S IMPERIAL SUGAR. Will yield almost as much as the best Mangel. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

Write for Prices on Larger Quantities.

BROCCOLI.**Spargelkohl****Coliflor de moradu**

This plant belongs to the family of "Brassica" and is cultivated like Cabbage, Cauliflower and the other members of that family. Sow early in the spring, then transplant and set out. It will form heads like Cauliflower, but it is more hardy and of a less delicate flavor. It is grown in cold localities to some extent, and also in the South for winter use.

PURPLE CAPE. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$2.00 postpaid.

LARGE WHITE MAMMOTH. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$2.00 postpaid.

BRUSSELS SPROUTS**Rosenkohl****Col de Bruselas**

This is another member of the Cabbage family. They form a straight stalk which bears on all sides a large number of miniature cabbages. These have a particularly fine flavor and are esteemed a delicacy by many. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.75 postpaid.

CABBAGE.

Choux Pomme (Fr.), Kopfkohl (Ger.), Repollo (Sp.), Cavalo Capuccio (Ital.).

CULTURE. Cabbage is sown here almost every month of the year, but the seed for the main crop should be sown from July to September. Some sow earlier, but June is time enough. For a succession seed can be sown from the end of October to the end of November, as stated before. Cabbage is a very important crop, and one of the paying for the market gardener. It requires more work and attention than most people are willing to give and raise Cabbage plants during the months of July and August. We have found by careful observation that plants raised in August are the surest to head here. The most successful gardeners in raising cabbage plants sow the seeds thinly in seed beds, and water several times during the day; in fact, the seed bed is never allowed to get dry from the sowing of the seed till large enough to transplant. There is no danger in doing this or scalding the plants, as many would suppose, but, on the contrary, the plants thrive well, and so treated will be less liable to be attacked by cabbage flies, as they are too often disturbed during the day. Tobacco dust scattered on the plants and in the walks between the beds is a sure preventive against insects. One ounce to 2,500 plants; $\frac{1}{4}$ lb to the acre.

VOLGA CABBAGE**MARKET****BRUSSELS SPROUTS**

VOLGA. The quickest growing, large late variety. Uniform in growth, head hard and solid. It is two or three weeks earlier than other large kinds. The plant is nearly all head having a few outside leaves. The heads are nearly as round as a ball and as hard and solid as Danish Ballhead, while they are much larger and heavier, often weighing 15 lbs. each. The quality of this Cabbage is very fine both for cooking and for kraut. Pkt. 5c, Oz. 35c; $\frac{1}{4}$ lb. \$1.25 lb. 4.00 postpaid.

COPENHAGEN MARKET
(Danish grown)

Without doubt the finest, largest, round-headed early cabbage in cultivation. The type is fixed and heads mature all at the same time. This is a big advantage to the market gardener. The heads are large, averaging about 10 pounds, are very solid and of fine flavor. It matures as early as the Wakefield and yield is much heavier. The plant is short stemmed. Color is light green. Seed from originator in Denmark. Pkt. 5c, $\frac{1}{2}$ oz. 20c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.00 postpaid.

CABBAGE—Continued.

EARLY SPRING. Its great value lies in its being a first early flat cabbage, a type much preferred over the pointed heads by many. It is of the "Allhead Early" type, resembling it in habit of growth, but smaller, and is nearly as early as the Wakefield. The heads have few outside leaves, and these are small and grow so close to the head that they can be planted very close together. It is round in shape, slightly flattened, very solid, even before the cabbage attain their mature size. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 90c; 1 lb. \$3.25 postpaid.

TRUE JERSEY WAKEFIELD. This is a most remarkable, variety, particularly adapted to the wants of market gardeners. It heads evenly from the latter part of June to the beginning of July. It is erect in growth and has cone-shaped heads. Our stock is of the true Long Island type, and is sure to give satisfaction. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 90c; 1 lb. \$3.25 postpaid.

CHARLESTON WAKEFIELD

THE LARGEST POINTED HEADED SORT. The Charleston Wakefield is an improved and larger form of Maule's Prize Jersey Wakefield. It requires rather more time to reach maturity but it yields fully twice the crop of the original Wakefield cabbage. Charleston Wakefield produces large heads in 85 days, and comes along in a close succession to the earliest cabbage crop. Pkt. 5c oz. 25c; $\frac{1}{4}$ lb. 90c 1 lb. \$3.25 postpaid.

**JERSEY WAKEFIELD****COLLINS GARDENS, SAN ANTONIO, TEXAS**

ALL SEASONS. A Drumhead cabbage as hearty and every way as good as Early Rummer. This cabbage, while it matures a day or two later in the spring, when planted in July matures a day or earlier than Early Summer in the fall, so that it will average as early, while the solid heads are from a third to a half as large again, and they are as good for winter use as for summer use. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. \$90; 1 lb. \$3.25 postpaid.

USE HAMMOND'S SLUG SHOT FOR ALL LEAF EATING INSECTS ON ALL VEGETABLE PLANTS

CABBAGE—Continued:

THE GLORY CABBAGE. This cabbage was recently introduced from Holland. It combined earliness with good size, qualities which are both very desirable for market purposes. This is easily one of the best sellers on the market. Pkt. 5c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.25 postpaid.

THE DANISH BALLHEAD. This variety of cabbage is grown exclusively for winter use by the Dutch Gardeners, who brought it to perfection. The heads are perfectly round, extremely solid, fine grained, bear shipping well, and will keep far into the spring. It requires the full season to mature its heads alone. Pkt. 5c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.25 postpaid.

SUREHEAD. It is remarkable for its certainty to head and produces large, round, flattened heads of the Flat Dutch Type. Pkt. 5c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.25 postpaid.

EARLY DWARF FLAT DUTCH. A very popular variety because of its heat-resisting character. It never flaws under the most severe heat, and produces heads after the earliest varieties have disappeared. Pkt. 5c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.25 postpaid.

MAMMOTH CHINESE CABBAGE. This cabbage measures 29 inches in diameter. This cabbage does not form a head like our cabbage, but forms a loose head of very large juicy leaves. These leaves are eaten like greens and make excellent food when boiled with beef.

It requires, like all Chinese Cabbages, a rich, well-drained soil with abundant moisture. It should be sown in June or July and transplanted to open ground in August, two by two feet apart. Pkt. 10c; oz. 50c postpaid.



FLAT DUTCH

LATE PREMIUM FLAT DUTCH. Years ago we set out to build up a strain of Large Late Flat Dutch Cabbage that would be better than any other on the market, and now we have it in our Premium Flat Dutch. Our purpose has been to weed out every objectionable point, and to fix firmly every good quality. It produces many tons to the acre, because of its solidity and compact, snug manner of growth. Unlike most large sorts, it is solid to the heart. Our stock seed is always grown from heads (not from stalks after the heads are taken off), fully developed and perfect in every respect. This strain has no superior. The heads are large and very solid; open, white, are crisp and tender, and sure to head. Grown largely by marketmen on account of its good shipping qualities. Pkt. 5c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.25 postpaid.

MAMMOTH RED ROCK. This is by far the largest and surest heading red cabbage ever introduced. The plants are large with numerous spreading leaves. The head is large, round, very solid, and of a deep red color. Ninety-eight per cent of the plants will form extra fine heads. Pkt. 5c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.25 postpaid.

SAVOY CABBAGE

Wirsing

Repello de hojas crespas.

DRUMHEAD SAVOY. An excellent winter and spring family cabbage, partaking partially of the size of the Drumhead and the curled leaves of the Savoy. Market gardeners usually find it profitable to provide a limited quantity for discriminating customers; for family use it is equalled by none. Pkt. 5c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.25 postpaid.

CABBAGE PLANTS. We can furnish Cabbage Plants about March or September. If you are interested, write us for the names and prices of the varieties grown by us. Doz. 20c; 100 65c. Write for Prices on Larger Quantities.

SPECIAL NOTICE

Our seeds are all tested by our Grower before being shipped to us, and immediately upon their arrival here they are tested in the Standard Seed Tester and in the ground, thereby assuring perfect germination. It is to our interest to sell the very best seed obtainable.

Our facilities are without doubt the very best in the South, and, coupled with our many years of experience, afford us the opportunity to get the very best that is grown.

The above are facts, and while we could write pages of proofs of our method of doing business, it is useless for us to burden you with length write-ups when a trial order from you will convince you and let you prove it for yourself.

CARROTS.

Carrotte (Fr.), Moehre or Gelbe Ruebe (Ger.), Zanahoria (Sp.), Carota (Ital.).

CULTURE. Requires a sandy loam, well manured the previous year, and deeply spaded up. Should be sown in drills ten to twelve inches apart, so that the plants can be worked after they are up. Gardeners here generally sow them broadcast, and of ten the roots are small from being crowded too much together. This is a deep rooted crop and ground should be well broken and the soil prepared deep enough to allow the plants to penetrate. One ounce to 250 feet of drill; $2\frac{1}{2}$ pounds per acre.

TABLE USE

EXTRA EARLY SHORT FORCING. An excellent forcing variety; very tender, small tops, and of fine flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c postpaid.

EARLY SCARLET HORN. A very early variety. Recommended for the market and home garden. Texture very fine and very delicate in flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c postpaid.

OXHEART OR GUERNADE. The French Carrot is one of the most valuable varieties either for family use or for the market. It is an intermediate between the half long and the Horn types attaining a diameter of 2 to 3 inches at the neck. It is very productive, rich orange color and beautiful shape. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c postpaid.

CHATENAY OR MODEL. A nice smooth carrot of perfect and uniform shape. A heavy yielder, a fine table quality 5 to 6 inches long and easily dug. The flesh is of a deep yellow color, tender and of excellent flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c postpaid.

If you want reliable seed come to us. If you just want seed go to the other fellow.

DANVERS HALF LONG. Admirable in color, fixed in habit, a wonderful producer, the best of all for the stock breeder, and valuable to the market gardener. With this variety the planters secure the largest return to the acre, with the least difficulty of harvesting. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c postpaid.



CHANTENAY

STOCK FEEDING.

Fur Futterzwecke

Para Forage.

IMPROVED LONG ORANGE. The old Standby, for both stock feeding and table use, either summer or winter. Fed to milch cows, it increases the flow of rich milk and gives to the butter a fine flavor and a beautiful color. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c postpaid.

LARGE WHITE BELGIAN. Grows one-third out of the ground. Root pure white, green above the ground and has a small top. It will grow to a very large size on rich soil, and is very easily gathered. Flesh rather coarse and used exclusively for stock feeding purposes. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c postpaid.

LARGE YELLOW BELGIAN. Practically the same as the above, except that the color of the flesh is yellow. An excellent keeper. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c postpaid.

"HAMMONDS SLUG SHOT." USED FROM OCEAN TO OCEAN.

CABBAGE WORMS. The Cabbage Worm has spread wherever cabbage is grown. Whether early cabbage or late cabbage, in garden or field, it perforates the plant, and is of all worms one of the most disgusting, to find hidden away in the folds of the leaf. If you want Cabbage free from Worms, use Hammond's Slug Shot.

How to destroy Cabbage Worms. Slug Shot can be used lightly or heavily and the cabbage suffers no harm. The cabbage forms its head by the interior growth; it throws off its earlier and outside leaves, and no dust can enfold within its head. Apply Slug Shot with a Duster, sieve it over the plants or full grown cabbages. The powder is very fine and goes a long way in field or garden.

ASK FOR PRICES ON LARGE QUANTITIES

HUTH'S SEEDS ARE TRUE TO NAME AND QUALITY

Blumenkohl.

CULTURE. The same as for Cabbage, except that it will pay to use extra manure and plenty of water for Cauliflower. If the soil is dry water frequently and if the plants have a heavy mulch of hay or straw, it would keep the soil moist, and the plants would not suffer from drouth. The early kind should be strong enough to plant out not later than the middle of August; the late kinds may be planted out the same as Cabbage. One ounce of seed produces 1,500 plants; 15,000 plants will cover one acre

EARLY DANISH SNOWBALL.

This splendid Cauliflower is extremely early, heads with certainty and these heads are of high quality. The plant is dwarf, outer leaves are erect, while the inner leaves lap over the head, protecting it from the sun. It is the finest Cauliflower on the market, and we recommend it to the Market Gardeners especially. Pkt. 20c; $\frac{1}{4}$ oz. 70c; oz. \$2.50; $\frac{1}{4}$ lb. \$8.00 postpaid.

EXTRA EARLY DWARF ERFURT, SELECTED. This is the choicest strain of the popular Erfurt type and noted for its extreme reliability in heading. Plants are very dwarf with solid, pure white heads of excellent quality. When planted in rich soil early in the spring, heads 8 to 10 inches in diameter can be marketed in July. Pkt. 20c; $\frac{1}{4}$ oz. 70c; oz. \$2.50 $\frac{1}{4}$ lb. \$8.00 postpaid.

EARLY PARIS. An excellent French variety, and very popular among the early sorts in the Paris markets. Heads are large, white, compact, solid, of excellent flavor, tender and delicious. Leaves large, stalk short. Pkt. 10c; $\frac{1}{4}$ oz. 30c; oz. \$1.00 $\frac{1}{4}$ lb. \$3.50 postpaid.

CAULIFLOWER. Plants: doz. 30c; 100 \$1.50; 1000 \$10.00 postpaid.

CELERY

CULTURE. For early celery sow in March or February, in hot beds, in drills 4 to 6 inches apart and cover about $\frac{1}{4}$ inch deep. When fairly out of seed leaf transplant to another bed, thin out to 2 to 3 inches in the row, and leave growing until needed to plant outside. In April plant the field rows 18 to 20 inches apart, and set six inches in the row. In planting press the ground around the plants but do not let any earth get into the heart. The soil should be very rich and the plants should be earthed up several times during their growth. Celery needs more water than any other garden crops, and is liable to get soft if not watered sufficiently.

For winter use sow the seed in the latter part of May, or beginning of June, in beds, and transplant in the fields in Aug. If the roots are to be dug up and put in trenches to bleach, allow two feet between the rows, or if they are to bleach in the same place where grown, allow four feet. When cold weather sets in dig a trench in a high well drained place, one foot wide, and of a depth of a few inches less than the height of the celery. Set your plants closely in it and cover gradually with straw or hay and earth as the weather gets colder. The top of the trench should be sloping so as to allow the water to run off. One ounce of seed produces 2,500 plants and it takes about 42,000 plants to set one acre if the rows are 2 feet apart.

WHITE PLUME FRENCH. This celery is valued because the stalks and portions of the inner leaves and heart are white, by simply tying up the stalks and drawing up the soil with the hoe, the work of blanching completed. It is ornamental, tender, crisp and of good flavor and very early. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50 postpaid.

GIANT PASCAL. This is a green leaved variety. It bleaches very quickly after earthing up and is a beautiful yellowish white color, very solid and crisp, and of a sweet flavor which is not equalled by any other variety. The stalks grow broad and thick, a single plant making a large bunch. Under high cultivation this variety will give the best satisfaction. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50 postpaid.

GOLDEN SELF BLANCHING. This is a beautiful plant of close habit, compact growth, and has straight and vigorous stalks. The ribs are perfectly solid, crisp and brittle. Its delicate flavor is surpassed by no other variety and moreover it has the decided merit of being self-blanching to a very remarkable degree. Our stock of this seed is selected with special care in France. Pkt. 5c; $\frac{1}{2}$ oz. 35c; oz. 60c; $\frac{1}{4}$ lb. \$2.00 postpaid.

CELERIC OR TURNIP-ROOTED CELERY. Grown exclusively for its roots, which are turnip shaped, very smooth, tender, and marrowlike. The roots are cooked and sliced and eaten with vinegar. They make an excellent salad. Are used for seasoning meats and flavoring soups. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00 postpaid.

CELERY FOR PROFIT. By Griener. Illustrated. Price 50c.

Coliflor.

DANISH SNOWBALL
THE DRY WEATHER CAULIFLOWER



WITLOOF CHICORY

FRENCH ENDIVE. A few years ago this salad vegetable was almost unknown in America. It is now on the bill of fare of all first-class restaurants. Although mostly imported as yet, it is an easily grown winter vegetable which can be raised in every home.

We have many customers that are growing it successfully and are very enthusiastic about it, for it furnishes a delicious salad in winter when other fresh vegetables are not available.

Plant seed in March or April. Lift the roots in November or December, and store in sand in a cool place until ready for starting into growth in soil in the cellar.

Forcing or growing is done any time from December 15, until spring in good soil in cellars, not beds or outdoors. Pkt. 10 c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.00 postpaid.

CHICORY

Cichorienwurzeln.

Achicoria.

LARGE ROOTED OR COFFEE

A hardy plant introduced from and much used in Europe as a substitute for coffee; large quantities of prepared roots are exported to this country. May be used to good advantage and pay large profit, and its culture is simple. In the fall the roots require to be taken up and cut into small pieces and put where they will dry requiring the same treatment used for drying apples. When required for use they should be roasted and ground like coffee. Required similar treatment as carrots. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.00 postpaid.

COLLARDS

GEORGIA SOUTHERN OR CREOLE

This is the variety so extensively used in the South, where it furnishes an abundance of food for both man and beast. Forms a large, loose, open head, or a mass of leaves on a tall stem. Freezing improves the quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c postpaid.

CORN SALAD

Stechsalas.

Macha o Valerinaila.

BROAD LEAVED

Used as a small salad throughout the winter and spring. Sow thickly in drills, cover slightly at the beginning of autumn and sprinkle with straw on the approach of severe winter weather, or sow in a cold frame, covered in winter as may be convenient—thus is accessible even when the deep snow prevails. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 55c postpaid.

CHIVES

Schnittlauch.

Ceholettas.

The Chives are small and not very important members of the onion tribe, quite hardy everywhere. The leaves are slender and appear very early in the spring, and may be cut several times during the season. They are propagated by seeds and by roots. The Chives make the very best border for beds in the vegetable garden, and are not only useful, but bearing pink flowers and a mass of golden leaves, are ornamental and are equal to the onion for flavoring soups and salads. Pkt. 10c; oz. 60c; Roots 20c per bunch, 3 for 55c. postpaid.

CRESS

Kresse.

Berro.

Used as a small salad. Sow very thickly in shallow drills; cover on a smooth surface at short intervals throughout the season. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00 postpaid.

WATER CRESS

Brunnen Kresse.

Berro de Fuente.

Is quite distinct from garden cress, and thrives only when its roots and stems are submerged in water. It is one of the most delicious of small salads and should be planted wherever a suitable place can be found. Pkt. 10c; oz. 75c; $\frac{1}{4}$ lb. \$2.25 postpaid.

POP CORN

WHITE PEARL. A common variety having smooth kernels. Pkt. 5c; 1 lb. 20c postpaid.

WHITE RICE

A very handsome variety; kernels long, pointed, resembling rice. Very prolific, and fine for parching. Does not pop as large as Queen's Golden, but is more tender and better flavor. Pkt. 5c; 1 lb. 20c postpaid.

QUEEN'S GOLDEN

Produces ears in great abundance on stalks nearly six feet high. It pops perfectly white. A single kernel will expand to nearly an inch in diameter. Pkt. 5c; 1 lb. 20c postpaid.

BLACK BEAUTY POP CORN

A distinct variety obtained by crossing the old Indian Squaw Corn with White Rice Pop Corn. The kernel is black, but when popped is nice and white. Black Beauty matures early and is ready for popping before other varieties. Pops very large and is very tender. Pkt. 10c. $\frac{1}{2}$ lb. 15c; 1 lb. 25c.

WRITE FOR PRICES ON LARGE QUANTITIES.

SWEET CORN.

Speise Mias.

Mais Dulce

Use regular parcel post chart when ordering corn by mail. One pound is equal to over three-fourths of a quart. See page 2.

CULTURE. All varieties of sweet corn may be sown either in rows four feet apart and the seeds planted about eight inches in the row, or planted in hills at a distance of three or four feet each way according to the variety grown or the richness of the soil in which it is planted. Sweet Corn should not be planted deeper than one to one and a half inches, as it is liable to rot in the ground. Hoe often, drawing the earth against the stems and breaking off the side shoots. One pound to 250 hills. About fourteen pounds will plant one acre in drills.

GOLDEN BANTAM. Is the most tender, sweetest, richest, and best evergreen Sweet Corn in existence. It produces strong, sturdy stalks, growing about four feet high. Is extremely hardy and can be grown from the Gulf to the Great Lakes. Each stalk produces three to four fine ears 5 to 6 inches long, having eight rows of sweet kernels. Golden Bantam is the quickest to mature and will give better and quicker results than any other sweet corn we know of. We have found it remarkably free of worms. [Don't fail to have some of this splendid corn in your garden] next year. Pkt. 5c; lb. 25c; 2 lb. 45c; 10 lbs. \$2.00.

EXTRA EARLY ADAMS. This is not a true sweet corn, but on account of its hardness and its round, hard grains it can be planted much earlier than the wrinkled sort sugar corn. The ears are well filled with tender white kernels. It is usually ready a week earlier than the White Mexican. Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. \$1.50.

WHITE MEXICAN. This new variety of recent introduction is 4 to 5 days earlier than the White Cob Cory and has all the delicious sweetness of Black Mexican. Pkt. 5c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$2.00.

EARLY EVERGREEN. Like Stowell's Evergreen, only ten days earlier. Ears large, about 18 inches long, 12 to 16 rowed, and having the identical flavor of the famous Stowell's Evergreen. Pkt. 5c; lb. 25c; 2 lbs. 45c; 10 lbs. \$2.00.

BLACK MEXICAN. The sweetest and most desirable for family use. When dry the kernels are black. Pkt. 5c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$2.00.

STOWELL'S EVERGREEN. This variety is more largely planted than any other, and is the general favorite with canners and market gradeners for late use. It is very productive, the ears are of large size, grains, deep, exceptionally tender and sugary and remain for a long time in an edible condition. Pkt. 5c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$2.00.

COUNTRY GENTLEMAN. The ears are not only of good size, but are produced in great abundance, one stalk frequently bearing four good ears while the average is three to a stalk. The cob is very small giving great depth to the kernels, which are of pearly whiteness. Pkt. 5c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$2.00.

HASTINGS' PROLIFIC. Not a sweet corn but a good corn for roasting ears. Hastings' Prolific Corn is a wonder in production of both grain and forage. It is the most prolific corn we have ever seen, the yield of grain and forage being enormous. It makes more ears and better ears, with longer, deeper grains. Hastings' Prolific averages 16 to 18 rows. It has deep grains very closely set on a very small white cob. Sixty-five pounds of corn in the ear shells out one bushel or more. Grains rather flinty and a good keeper. Medium early, maturing in from 110 to 120 days. Makes splendid "roasting ears," the size of ears being good, and in flavor almost equal to that superb variety of Sweet Corn "Country Gentleman." It is the best all purpose corn that you can grow in the South. It pays as a field crop; it pays the market gardener; it pays in the home garden. It roots deeply, resisting drought and storms. It is adapted to both upland and lowland. It always makes a crop and is a prize winner at the crib of every man who plants it. Lb. 15c.



GOLDEN BANTAM

WRITE FOR PRICES ON LARGE QUANTITIES

CUCUMBERS.

Gurken.



LONG GREEN

EARLY WHITE SPINE. Vines vigorous, bearing early and abundantly. Fruit uniformly straight and handsome, dark green, with a few white spines. Flesh tender and of excellent flavor. Used extensively for forcing under glass. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25 postpaid.

EVERBEARING. This variety is of small size, very early, enormously productive, and valuable as a green pickle. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25 postpaid.

LEMON CUCUMBER. Here is a cucumber in the shape of a lemon, and having a flavor that at once puts it ahead of the common cucumber. It is bound to become a great favorite as a table delicacy. It is an excellent shipper, and pickled as a gherkin, is delicious. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 70c; 1 lb. \$2.50 postpaid.

EARLY GREEN CLUSTER. A very popular early cucumber producing its fruit in small clusters near the root of the plant. Average length is about 5 inches, skin prickly, flesh white, seedy, tender and well flavored. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25 postpaid.

ARLINGTON WHITE SPINE. This is the strain so popular in Chicago for growing under glass. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25 postpaid.



SHORT PROLIFIC

Pepias.

CULTURE. For early, sow seed in hotbed in small pots and plant out when danger of frost is over. They can be marketed with a gain of six or seven weeks over those sown in the open ground. For general crops drop in hills four to six feet apart, as soon as the weather is warm, ten to twelve seeds in a hill, cover half an inch deep and pat it down with a hoe. Hoe often, and when out of danger of insects, thin out to three or four plants to a hill. Middle of March to May 1st is the right time to sow for pickles. Pick fruits as soon as big enough to use or the productiveness will be injured. One ounce will plant about 50 hills. One pound to one acre.

IMPROVED LONG GREEN. This is unquestionably the most popular for general use. When matured is 9 to 12 inches long. Flesh is very solid, crisp and of delicate flavor. The skin is dark green and retains its color for a remarkable long time. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25 postpaid.

DAVIS PERFECT. This is one of the very best cucumbers grown, both for forcing and for out of doors. It is slim and symmetrical in shape and from 9 to 12 inches long and of a dark, glossy green color changing to white, without streak of yellow, only when ripe. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25 postpaid.

COOL AND CRISP. A popular, extremely early variety of the White Spine type. Very prolific and produces large numbers of medium sized cucumbers, excellent for table use. The fruit is six to eight inches long, distinctly tapering with a dark skin thickly set with small knots. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25 postpaid.



EARLY WHITE SPINE

KLONDYKE. An attractive dark green cucumber, averaging 6 to 7 inches long and 2 inches thick; of unsurpassed quality. Its points of superiority are: Extreme earliness, a prolific bearer, very hardy; size just right for a slicing cucumber. An excellent pickling sort. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

BOSTON PICKLING. The fruit abundantly borne, averages 4 to 5 inches in length and is of excellent quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

JAPANESE CLIMBING. While all cucumbers are running vines, this variety is much more so than others. It climbs quickly on poles or trellises and is entirely distinct. The quality is splendid and well adapted for pickling and salads. The greatest advantage of having a cucumber trained on a pole or fence is evident. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50 postpaid.

WEST INDIA GHERKIN. The fruit is very small, almost round and closely covered with spines. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50 postpaid.

SHORT PROLIFIC. A very short variety of the "Frame" type. It is an abundant bearer, and is highly recommended for pickles, for which it is used extensively in Texas. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25 postpaid.

Endiven.**CULTURE.** The same as lettuce.

A desirable salad. When bleached by exclusion of the sun, gather all the leaves and tie them for a couple of days. Open after a rain to give them a chance to dry out, as otherwise the leaves begin to rot. The inside will turn into a beautiful yellowish green, making the plant very attractive for salads and garnishing.

WHITE CURLED. The hardy variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25 postpaid.**BROAD LEAVED BATAVIAN.** Very thick leaved. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.**MOSS CURLED.** Plants compact, large leaves, green and finely divided. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25 postpaid.**Eierpfanze.****EGG PLANT****Berenjena.**

CULTURE. Sow in hot beds very early in the spring; thin them out as soon as big enough to be handled to 3 or 4 inches each way, and transplant to 2 or 3 feet apart in very rich warm ground. Do not plant them outside till nights are real warm, as the least frost will, if it does not kill them, check the growth, and it will take 2 or 3 weeks before they get over it. Hoe often and hill up gradually till they blossom. One ounce to 1,500 plants.

BLACK BEAUTY EGG PLANT. The earliest large fruited variety. The fruits set freely and develop quickly so the entire crop can be harvested before frost. They are large, thick, and of a rich lustrous purplish black. The calyx is entirely free from spines or thorns. Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 50c; $\frac{1}{4}$ lb. \$1.75 postpaid.

NEW YORK IMPROVED LARGE PURPLE SPINELESS. This variety has about superseded all others both for market and home garden; a favorite everywhere. Our stock is extra selected direct from the best growers in New Jersey. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.60 postpaid.

EARLY LONG PURPLE. This is the earliest variety, very hardy and productive; fruit long and of superior quality. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.60 postpaid.

EGG PLANT. Plants: doz. 35c; 100 \$1.50; 1000 \$10.00.**GARLIC****Knoblauch.****Ajo.**

The garlic is the most pungent of all the onion family. It is much used in the South and Europe. The root, or bulb, is composed of many small bulbs called "cloves," which are planted in the spring 6 to 8 inches apart, and in August the bulbs are ready to gather. Write for prices on large lots. Lb. 40c. Subject to market.

HORSE RADISH**Meerrettig.****Rabano Rustico.**

Horse radish produces no seed, but is grown from pieces of the root.

NEW BOHEMIAN HORSE RADISH MALINER KREN.

The Maliner Kren Radish Roots were introduced by the U. S. Department of Agriculture. They are much earlier and produce better than the ordinary sort. The roots grow larger, are white and quality is far superior. All who grow Horse Radish should try this variety. Dozen 25c; 50 for 70c; 100 for \$1.25. postpaid.

KOHLRABI

CULTURE. For late fall and winter use it should be sown from the end of July till the middle of October, for spring use, during January and February.

EARLY WHITE VIENNA. The earliest and best for forcing. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 65c postpaid.

EARLY PURPLE VIENNA. Both Vienna Kohlrabis are very tender and excellent for table use. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 65c postpaid.

KALE OR BORECOLE**Krauskohl oder Blatterkohl.****Col rizida.**

DWARF GREEN GERMAN. Sow in the spring for "sprouts" or "greens." Hardy, prolific, flavor similar to cabbage; desirable in every garden. Pkt., 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25 postpaid.

TALL GREEN CURLED OR SCOTCH. This is one of the most popular varieties. It is very hardy and is much improved by frost. Two feet high. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.50 postpaid.

Porree oder Lauch.**LEEK****Puerro.**

CULTURE. A hardy species of onion, sown in drills or broadcast. When 6 inches high transplant into rows a foot apart, setting the plants 4 or 5 inches deep and about 6 inches apart in the row. Used mostly in soups and stews. One ounce to 1,000 plants.

LARGE LONDON OR SCOTCH FLAG. This leek aside from being valuable for soups and salads, when blanching, makes an excellent dish if sliced and cooked. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.50 postpaid.

**BLACK BEAUTY****KOHLRABI**

LETTUCE

Laiture (Fr.), Lattich (Ger.), Lechuga (Sp.), Lattuga (Ital.),

CULTURE. Lettuce is sown here during the whole year by the market gardeners. Of course, it takes a great deal of labor to produce this vegetable during our hot months. Before sowing soak the seeds for two hours in water, take them out, put in a piece of cloth and set in a cool damp place, or if convenient in an ice box, which is best. Keep the cloth moist and in four to six days the seeds will sprout. Then sow them. It is best to do so in the evening, and give a good watering. If the seeds are sown without being sprouted, ants will be likely to carry them away before they can germinate, and the seedsman be blamed for selling seeds that did not grow. This sprouting has to be done from May to September, or, if the weather is warm and dry in the latter month, up to the middle of October. Should the weather be moist and cool in the Fall, it can be dispensed with. The richer and better the ground the larger the head will be. The seed should be sown broadcast; when large enough plant out foot apart, and from eight to ten inches apart in rows. One ounce to 250 feet of drill; 3 pounds per acre.

EARLY AND FORCING VARIETIES.

BIG BOSTON. A popular sort whether grown in the open ground for summer and fall use or in frames for use in early spring, as well as for forcing in the green house during the winter. Its large, compact, bright green, crisp and tender heads mature in 45 days. This variety resembles the well known Boston Market but produces heads almost double the size and mature a week later. Endures hot weather exceedingly well. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00 postpaid.



BIG BOSTON

MAY KING. The best Butterhead lettuce for forcing as well as early. It is extremely hardy and therefore can be planted very early in the spring. It makes a quick growth, forming, when mature, attractive heads measuring 10 to 20 inches across. The outside leaves are tightly folded, making the plant practically all head. It has a rich buttery flavor which is delicious. We recommend it particularly to Market Gardeners, as the tightly folded heads carry well, and will out-sell any other. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

LOS ANGELES LETTUCE

One of the best varieties for main crop. When the few outside leaves are stripped off, there remains a shapely head as hard and large as a small cabbage with interior yellowish white, crisp and tender. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.

CALIFORNIA CREAM BUTTER

Heads large, round and of a beautiful appearance. The outer leaves are glossy green, masked with small brown spots; the inner leaves are of a rich color. Medium early, and makes a good sort for summer use. Quality is very good. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

LOOSE-HEAD OR CUTTING VARIETIES

The best of these is the Black Seeded Simpson. It produces even larger bunches of leaves than the popular Curled or Silesia Curled Simpson, and remains in good condition longer before running to seed. For late summer use, after the season for head lettuce is passed, we would especially recommend the Early Prizehead. This variety forms large, loose heads, with finely curled leaves lightly tinged with brown. It grows to large size and will stand for a considerable time before running to seed.

BLACK SEEDED SIMPSON. Good for forcing as well as for outside culture. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

EARLY CURLED SIMPSON. The old favorite. Highly recommended for general culture, Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

EARLY PRIZEHEAD. Good variety, bright green, tinged with brownish red. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

NEW YORK LETTUCE. This variety is becoming very popular with market gardeners and shippers of lettuce. It is sometimes called Cabbage Head Lettuce, as it produces immense heads often measuring 15 to 16 inches across. The heads are very heavy and compact. The interior is beautifully blanching and creamy white, crisp and tender, being absolutely free from any trace of bitterness. It is very large, robust growing variety, rooting well, resists hot weather much better than any other variety of Lettuce that we know of. It is very slow to run to seed, therefore keeps much better in the field than most varieties. We especially recommend this variety to shippers, as it keeps well. The outer color is a distinct apple green. Price, pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.



NEW YORK

HANSON. The heads are of a very large size, deliciously sweet, tender and crisp, even to the outer leaves; heads weigh $2\frac{1}{2}$ to 3 pounds and measure $1\frac{1}{2}$ feet in diameter. Color green outside and white within; free from any bitter, unpleasant taste. Not recommended for forcing, but has few superiors for family use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

EARLY CABBAGE OR DUTCH BUTTERHEAD. Produces the greenish white, large heads of extra quality; remarkably tender and crisp, sure to head, of quick growth. It is one of the best for forcing and also for summer use, as it is slow to shoot seeds and resists heat well. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

ICEBERG

This remarkable sort belongs to the "Crisp Head Lettuces" and is a decided acquisition. It forms a large, solid head, the only outside leaves being of a light green color, while the inside is being bleached and is almost white. It is quite as well adapted for planting in the summer as in the spring, as the hottest summer weather cannot cause the leaves to open outward and expose the heart. The usual solidity of heads makes it, in our opinion, the ideal summer lettuce, and we strongly recommend our customers to give this splendid variety a trial. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

CRISP-AS-ICE

A beautiful lettuce of the cabbage type. The solid heads are of medium size, and the leaves are so tender and brittle as to have suggested the name bestowed upon it. The heads, when cut open, have a rich, creamy yellow heart. The leaves are thick and glossy, somewhat curled, of a good and attractive green color, variegated with bronze. Crisp-as-Ice cannot be over-estimated or over-praised for home use in spring and summer or late in fall. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50 postpaid.

PARIS WHITE COS

This is an excellent variety, although it is not quite as early as the round head varieties. It forms large, light green plants, well folded and quite solid. The interior is well blanching, and of a crisp, fine flavor, although the flavor is somewhat stronger than that of the preceding sort. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.



CANTALOUPE OR MUSK MELONS

Zucker Melonen.

Melon Almizelena o centau.

CULTURE. The soils for Musk Melons must be light, rich and sandy, for if grown on a heavy soil the quality will be poor, and they will not be so early. When there is no danger of frost drop 8 to 10 seeds in a hill 6 feet apart, each way, covering about three-fourths inch deep. As soon as a plant commences to run, thin out to 3 best plants in a hill and cultivate until the vines cover the ground. If slow to fruit, pinch off the ends of the growing shoots. Slug Shot sifted on the young plants while the dew is on is good to keep insects out. One ounce will plant about sixty hills, and it takes two pounds to one acre.

THE ROCKY FORD. This melon grown first in Rocky Ford, Colorado, has in a few years acquired a national reputation. It is of the Netted Gem type, oval in shape, averaging from 4½ to 5 inches in length. It has a most delicious flavor, is very fine and smooth grained, has flesh of light green color throughout when ripe. Our seed comes from Rocky Ford where this melon is raised so extensively and from where carloads upon carloads are shipped out every season. Texas grown seed an excellent strain. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c. Genuine Rocky Ford Seeds grown under special supervision in Colorado. Pkt 5c; ¼ lb. 30c; lb. \$1.00 postpaid.

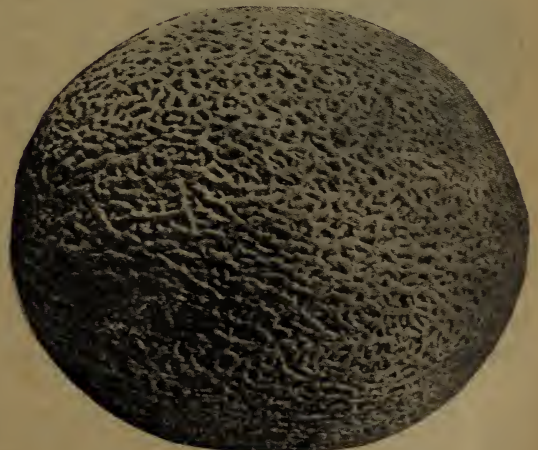
NETTED ROCK (75 days). It is undoubtedly the heaviest meated melon of the Rocky Ford type. The flesh is green, tinged with a delicate salmon pink around the seed cavity which is the smallest of any strain of Rocky Ford. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50 postpaid.

HONEY DEW MELON. A new melon having a distinct, delicious flavor. The melon was produced by crossing the well-known Rock Ford with an African melon. The result of this cross was then crossed with the Improved Hybrid Cassaba and this produced a melon which retained the sweetness of the Rocky Ford, the delicious flavor of the African melon and the smooth hard shell of the Cassaba. Pkt. 5c; oz. 15c; ¼ lb. \$50; lb. \$1.50 postpaid.

NETTED NUTMEG. We consider this the very best variety in cultivation. Vines, vigorous, hardy, productive, fruit round, slightly flattened at both ends, ribbed, covered with coarse netting; flesh very thick, green and of the highest flavor. Pkt. 5c; oz. 10c; ¼ bl. 30c; lb. \$1.10 postpaid.

GOLD LINED NETTED ROCK. This solid netted, deep-meated cantaloupe is an excellent melon, and will be planted extensively. The flesh is green next to the rind, changing to golden next to the seed cavity. The meat is about one-half green and one-half golden, very firm and fine grained and so thick that the seeds are held firmly in a small, three-cornered or triangular cavity. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50 postpaid.

EXTRA EARLY HACKENSACK. By careful selection and improvement carried on for some years this strain has been developed so that it produces melons with all the good qualities of well known Hackensack Melon, but at least ten days earlier. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00 postpaid.



Gold Lined Netted Rock

CANTALOUPE OR MUSK MELONS—Continued

TEXAS CANNON BALL (70 days). Very desirable for home use and nearby markets. Medium in maturity and size and of flattened rounded shape. In flavor it is first class, and its dense netting makes it almost sun and insect proof. It is almost all meat, seed cavity being small. The firm green flesh is very spicy. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.

YELLOW-FLESHED VARIETIES

NEW MUSK MELON BURRELL'S GEM. It was hard to beat the Rocky Ford, and yet it has been done. The new variety has a salmon flesh of unusual thickness and flavor that can hardly be surpassed. The flesh is $1\frac{1}{2}$ to 2 inches thick, the rind is heavily netted, slightly ribbed and very thin. The melons grow to an average size of six inches in length and $4\frac{1}{2}$ inches in diameter, weigh about 2 pounds apiece. They are ideal shipping melons, and, notwithstanding the thin rind, have stood shipment from Texas to New York in perfection. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.10 postpaid.



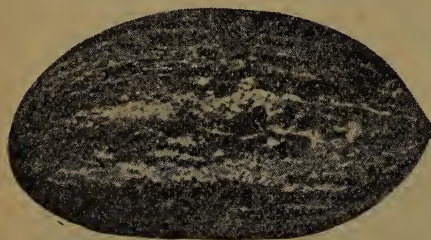
BURRELL'S GEM

KHIVA OR WINTER MUSK MELON. Musk Melon for Christmas dinner. You can have such and from your own garden, if you plant Khiva. It is the most delicately flavored winter keeping melon we have ever eaten. The skin is firm, with a grayish color, green slightly mottled. Is of egg shape and weighs 12 to 30 pounds. Not real delicious until November and later. They keep nicely until January. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 70c postpaid.

PEACH OR GARDEN MELON. The fruit is about the size of a large peach, oval-shaped and of a bright orange yellow color, somewhat russeted. When it first ripens it is quite hard and has very little flavor, but they soon become mellow, not sweet, and have a rich flavor, but for sweet pickles pies, or preserving, they are superb. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00 postpaid.

BANANA. An entirely distinct variety, bearing long slender banana-like fruit. Flesh deep salmon color, thick and of good quality. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.40 postpaid.

MUSK MELON WINTER CASSABA. Winter Melons are becoming more popular every year and these two varieties have given best results.



SANTA CLAUS

SANTA CLAUS. The name is well appropriated, as you cannot have anything more delicious for your Christmas dinner. The rind has the appearance of a mottled pomegranite. The shell is hard and about one-eighth inch thick. There is no seed cavity. The seeds are embedded in a jelly-like pulp. The light green flesh is absolutely stringless. Plant the seed early; pick when the green turns to bright yellow and put away until slightly soft. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00 postpaid.

WINTER PINEAPPLE. This is the green melon used extensively for shipping East for the holiday and winter trade. Melons do not mature on the vines and the flavor is greatly improved by being stored in a cool place. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00 postpaid.



Winter Pineapple

WATER MELONS

Wassermelonen.

Sandia.

Our water melon grower who raises them on a large scale places us in a position to offer the very best seed at reduced prices.

Melon seed has been one of our specialties for years and we supply many of the leading seed houses of the country.

If you are in the market for a large quantity of melon seeds, be sure and ask us for special prices.

CULTURE. The same as for Musk Melon except that they should be planted from 8 to 10 feet apart. One ounce for 30 hills; $1\frac{1}{2}$ to 2 pounds to the acre.



TOM WATSON

TOM WATSON. In the last few years this melon has become immensely popular. The average fruit of this variety reaches the size of 24 to 28 inches long and 12 to 14 inches in diameter. It has a dark mottled green rind, thin, but tough enough to stand shipping long distances. For the home or for the market garden or for shipping it is a money-maker for the growers. The seed we offer is of the very best strain. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c. lb. 75c postpaid.

HALBERT HONEY. Originally grown in Texas, it comes to us from the East, where, owing to its superb qualities, it has won a reputation in an incredibly short time. The melons are oblong of form, symmetrically rounded at both ends. The skin is smooth, of dark green color, thin and rather brittle; on this account the melons do not stand shipping well. They are, however, the best melons for home use and nearby markets. The flesh is of a beautiful crimson color, of luscious flavor and entirely free from strings. Try Halbert Honey this year. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

KLECKLEY SWEETS. This melon is dark green, the flesh is scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. Seeds white, lying close to the rind, leaving a large, solid heart, which does not crack open when ripe. The scarlet flesh is sweet and sugary, and of such texture that it leaves no string of pulp whatever in eating. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

FLORIDA FAVORITE. Oblong in shape, growing to a very large size, rind dark with light green stripes, flesh light crimson, crisp and deliciously sweet. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

GYPSY OR GEORGIA RATTLESNAKE. The melon is long, smooth, distinctly striped with light, mottled and wavy dark green stripes. Flesh bright scarlet, and very sugary. Notwithstanding its thin rind it will stand shipping well. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

SWEET HEART. An excellent melon, Vine vigorous, productive and ripens its fruit early. Fruit is large, oval, very heavy, uniformly mottled light and dark green. Rind thin but very firm. Flesh bright red, solid, very tender, melting and sweet. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

WATERMELON—Continued.**ALABAMA SWEET.**

A long melon with dark skin and red flesh. One of the first to come into market, is good grower and will bear longer than any other variety. It has light seeds, is of good size though not ungainly, and is a first class shipper. Raised extensively in Texas, where it brings extra prices. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Postpaid.



ALABAMA SWEET

GOLDEN HONEY. A beautiful, golden-flesh melon, one of the finest we have ever tasted. The flesh is a beautiful, glistening amber shade of yellow, very tender, and has a most delicious flavor, very similar to that of the celebrated Halbert Honey Watermelon. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; $\frac{1}{2}$ lb. 85c; lb. \$1.50 postpaid.

"KING AND QUEEN" WINTER WATERMELON. Average weight 25 pounds. Spherical in shape, ivory shell, pink center, seeds black. The most luscious, handsome and valuable winter melon in the world. It is very hardy, a good drouth resister, and does well in any soil which grows melons; never sets an imperfect specimen on its vines, and ripens every melon in less than 120 days. It is a prize-taker every where. These melons have been shipped to market as late as December. Ripens on the vines the third week in August and does not change its condition for ninety days if not bruised. The shell is very hard and the melon ripens to within one-eighth of an inch of it. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00 postpaid.

NEW EXCEL. The dark green rind of this new melon is indistinctly striped with a lighter shade of green, is tough and easily stands for distant shipments. The deep red flesh is crisp, melting and of finest flavor entirely free from core or hard centers, heart large and very firm with small seed cavity. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

ANGELENO. The deep red flesh and excellent flavor of this melon commends it to the consumer, while the beautiful dark green color of the rind makes it attractive to the buyer. Do not pick until the yellow shows slightly through the green, as it is a sure sign that the melon is ripe. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.

STOCK, PIE OR PRESERVING MELON. A boon to the dry land farmer. This melon is grown extensively in Oklahoma, Kansas, and Texas. It is immensely productive. The melons grow to a large size, some of them weighing as high as 60 to 70 pounds. The flesh is firm and solid with only very few seeds. The melons will keep all winter and can be fed to stock the same as turnips and beets. They grow on most any kind of soil, stand dry seasons very well and seem adapted to most climates. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 90c postpaid.

CITRON. For preserving. Rind striped and marbled with light green, flesh white and solid. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 90c postpaid.

ASK FOR PRICES ON LARGE QUANTITIES

MUSHROOMS

Champignonbrut.

Seta.

Mushrooms can be grown wherever there is a cellar or a close shed, in which an even temperature of from fifty to sixty degrees can be maintained and where a plentiful supply of fresh horse manure for making the beds can be obtained. You can have these delicious fungi, considered one of the finest delicacies, by getting good spawn from us and by following the directions given in our book, "How to Grow Mushrooms," price 10c, postpaid.



Mushroom

PURE CULTURE SPAWN.

1 brick.....	\$0.40
2 bricks.....	.70
4 bricks.....	1.30

With every order for four bricks, at mail prices, we shall be pleased to send the above-mentioned book, "How to Grow Mushrooms," free of charge.

MUSTARD

Moutrarde (Fr.),

Senf (Ger.),

Mostaza (Sp.).

CULTURE. This is grown to quite an extent in the Southern States, and is sown broadcast during Fall, Winter and Spring. It may be used the same as Spinach, or boiled with meat as greens. The White or Yellow Seeded is very little cultivated and is used chiefly for medicinal purposes, or pickling. The large-leaved or curled has black seed, a distinct kind from the Northern or European variety.

GIANT CURLED SOUTHERN. Highly esteemed for salads, particularly in the South. The leaves are twice the size of the ordinary White Mustard; flavor sweet and pungent. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c postpaid.

OSTRICH PLUME. The leaves are long, ruffled, and curled as gracefully as an ostrich plume. Is especially good as a salad and as greens, equal to spinach. The growth of leaves makes it a very ornamental plant. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c postpaid.

CHINESE. A very hardy variety. Leaves are large, thick and deeply savoyed with broad white mid-rib. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c postpaid.

ELEPHANT EAR MUSTARD. Leaves attain a length of from eighteen inches to 2 feet, they are of light green color with large white ribs or leaf stock, highly recommended. Pkt. 5. Oz. 10c; ¼ lb. 25c; lb. 80c postpaid.

WHITE ENGLISH. Leaves are light green, mild and tender when young; seed light yellow. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c postpaid.

OKRA OR GUMBO

Safran.

Quimbombo.

One ounce will plant 100 hills.



Okra Dwarf

CULTURE. Sow late in the spring, after the ground has become warm, in drills 3 feet apart, and when the plants are three inches high thin out from 10 to 12 inches. They should be well manured. They also can be started in a hot bed and transplanted afterwards. The young green seed pods of this plant are used in soups or stewed and served like asparagus. The young pods can also be dried for winter use.

EARLY DWARF PROLIFIC. Short podded and productive. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c postpaid.

TALL. Grows to a height of five feet. Pods usually eight ridged and about 6 inches long. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c postpaid.

WHITE VELVET. It is very distinct in appearance, and unlike other varieties the pod is not ridged but is perfectly smooth and round. They are of attractive appearance and superior flavor and tenderness. The plants are comparatively dwarf and of compact, branching growth; the pods are of extra large size and produce in great abundance. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c postpaid.

ONIONS

Zwiebeln.

Cebollaos.

We make a specialty of onion seed and handle it extensively. We import a large portion of our seed which have been grown under careful supervision. Our seed is grown from choice selected bulbs and can be relied upon. We make special prices to gardeners and others using seed in large quantities.

CULTURE. The onion thrives best in rather deep, rich loamy soil, unlike most vegetables, succeeds well when cultivated on the same ground for successive years. As early in the fall as the ground is in working order, commence operations by leveling the ground with a rake; sow thickly in rows a quarter of an inch deep and one foot apart; cover with fine soil and press down with the back of the spade or a light roller. When the young plants are strong enough, thin gradually so that they stand 3 to 4 inches apart. Keep the surface of the ground open and free from weeds by frequent hoeing, taking care not to stir the soil too deeply, or collect it about the growing bulbs. When ripe, pull and dry thoroughly before storing. As maggots are the worst enemies of an onion patch, commercial fertilizers are better to use than manures, which originate maggots. One ounce to 100 feet of drill 3 pounds to an acre.

AMERICAN YELLOW VARIETIES

AUSTRALIAN BROWN. This fine onion is extra large and sure to make a good crop. This onion is of special merit because of its excellent keeping qualities, bulbs remain in excellent condition until almost a year after they are harvested. The advantage of this is easily seen, especially by the Southern growers. In shape and form they resemble somewhat the round Yellow Danvers, but the former are heavier in every case. The skin is quite thin and bright reddish brown, while the flesh is solid, crisp and mild. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.50 postpaid.

YELLOW GLOBE DANVERS. A very excellent variety of globular shape; flesh white and of a mild flavor, skin brownish yellow. It is very productive and a good keeper. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.50 postpaid.

FLAT YELLOW DANVERS. Same as Globe Danvers, except in shape. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.50 postpaid.

GENUINE PRIZETAKER (90 days). This variety is admitted by the most critical Onion growers to be the largest, finest flavored and most superior Yellow Globe Onion under cultivation. It has a bright, clear, straw color, and is by far the handsomest, most productive, most profitable sort; it is also gifted with strong drought-resisting ability. The necks are very small and the Onions always ripen up hard. An excellent keeper, exceedingly fine flavor, grows to an enormous size and can be grown from seed the first year. The flesh is pure white, fine, grained, mild and delicate. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.50 postpaid.

GIGANTIC GIBRALTER ONION. This comparatively new and little known variety is particularly adapted for growing in warm climates. In appearance it is very similar to the well known "Prize Taker" Onion; will grow larger under favorable conditions. The handsome globular shaped bulbs have a light straw colored skin, while the flesh is white and very mild. The ripe onions are excellent keepers and surpass, in this respect, most of the other varieties if properly handled. Experiments have shown that of onions harvested in August, fully 95 per cent were in fine marketable condition in January, free from split and rotting. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.00 postpaid.

ONION SEED is one of our best leading specialties; you will make no mistake in sending us all of your **ONION SEED** orders this year.



Prizetaker

BERMUDA ONION SEED IMPORTED FROM TENERIFFE

In growing onions the quality of the seed is of greatest importance. Our seed is grown by the best grower in Teneriffe and is the best to be had.

YELLOW BERMUDA. This valuable onion is especially adapted to the Southern states and is the most profitable of all varieties of onions for the grower. Ease of cultivation, large size and mildness of flavor make it the most valuable of this type. The Yellow Bermuda is a selection from the original Red Bermuda and preferred to all others by growers in the South. We offer seeds obtained direct from the Isle of Tenriffe, one of the Canary Isles, the home of the Bermuda Onion. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50 postpaid.



Bermuda Onion

YELLOW BERMUDA SELECT. Special selected quality seed from hand picked onions full of life, from improved stock by continuous selection of Pedigree onions. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00 lb. \$3.50 postpaid.

This picture below showing the new style of support used by our grower at Teneriffe, which keeps all the plants perfectly erect in spite of strong winds.

CRYSTAL WHITE WAX.

Teneriffe grown. This is a large, pure white, flat onion. In the South especially Texas, during the last few years, it has become so popular that there has not been enough seed to meet the demand. It grows to a good size early and is the mildest and sweetest of all onions. It is the finest slicing onion for the home garden. True seed very scarce. Package 5c; ounce 30c; $\frac{1}{4}$ lb. 1.00; lb. 3.50 postpaid.



CRYSTAL WHITE WAX SELECT. Special selected quality from hand picked onions full of life from improved stock by continuous selection of Pedigree onions. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.35 lb. \$4.50 postpaid.

AMERICAN WHITE VARIETY

LOUISIANA OR WHITE CREOLE. Is similar in shape and hardness to Red Creole Onion, but silvery white in color, the veins clear and distinct. Its mild, pleasant flavor and splendid keeping qualities make it a favorite White Onion for shipping. Pkt. 10c; oz. 75c postpaid.

ONIONS—Continued

LARGE RED WETHERSFIELD. The old standard sort; best for main crop. Large, deep red, thick, nearly round, fine grained, of pleasant flavor a good yielder, and keeps well. Pkt. 5c; oz. 25c; ¼ lb. 80c; lb. \$3.00 postpaid.

RED CREOLE. In this latitude the seed should be sown from the 15th of September to about the 25th of Oct.; if sown sooner, a good many will throw up seed stalks, which impairs the keeping quality of the Onion. Can be planted in the same ground for years, and require no rotation as other crops. When the plants have reached the size of a goose quill they are transplanted into rows which can be from one to two feet apart, accordingly to the mode of cultivation, and about five or six inches apart in the rows. The ground should be prepared before setting out the plants. We generally shorten the tops and roots. In April the Onion will be ready to be taken in. In sections where it is too cold to sow onion seed in the fall, the Creole seed can be sown in January and February; in that case they should be sown very thinly in drills, thinned out to a proper stand, and by the end of spring they will produce good size onions. Pkt. 10c; oz. 75c postpaid.

This picture below shows a partial view of the tufts on balls being dried under the sun by our grower at Teneriffe.



ITALIAN VARIETIES

EXTRA EARLY WHITE PEARL (70 days). This is the best of all for small pickles and the earliest ripening Onion in existence, frequently maturing in 70 days from sowing the seed. The bulbs, of a pure paper-white, are flattened, of medium size, averaging 1 to 1½ in diameter; flesh crisp and mild in flavor. Largely planted for bunching and for sets.

Succeeds well everywhere. The principal recommendation is the marvelous rapidity of their growth.

Both the White Pearl and the Extra Early Barletta are highly recommended for pickling purposes. Pkt. 5c; oz. 30c; ¼ lb. \$1.00; lb. \$3.75 postpaid.

MAMMOTH SILVER KING. We have imported seed of this truly mammoth variety. The onions are of attractive shape with silvery white skin and flesh of a most agreeable flavor. It reaches a larger size than any of the flat white varieties. Pkt. 5c; oz. 30c; ¼ lb. \$1.00; lb. \$3.75 postpaid.

EL PASO. A variety from Mexico. It grows there to a diameter of 6 inches, weighing two-thirds of a pound, flavored very mildly. Our seed of this variety comes direct from Mexico. Skin of the onion generally white, but sometimes mixed with red and yellow. Pkt. 5c; oz. 30c; ¼ lb. \$1.00; lb. \$3.75 postpaid.

EXTRA EARLY BARLETTA. It is fully two or three weeks earlier than the Early White Queen, which heretofore has been the earliest variety under cultivation. The onions are of a pure paper-white color, very mild and delicate in flavor, from one inch to one and one-half inches in diameter and three-fourths of an inch in thickness. Pkt. 5c; oz. 30c; ¼ lb. \$1.00; lb. \$3.75 postpaid.

ONION SETS

Thirty-two pounds constitute a bushel, except the red top or Button Sets, and shallots which are 28 pounds per bushel. See page 2 for postage rates.

YELLOW BERMUDA. Have sets of these varieties in fall only..... 25c. per Qt.

CRYSTAL WHITE WAX. Have sets of these varieties in fall only..... 25c. per Qt.

WHITE PEARL.....Have sets of these varieties in fall..... 25c. per Qt.

WHITE SILVERSKIN.....Sets from Nov. to March..... 25c. per Qt.

DARK RED.....Sets from Nov. to March..... 20c. per Qt.

YELLOW DENVERS.....Sets from Nov. to March..... 20c. per Qt.

WHITE MULTIPLIER. These are of a pure silvery white color, enormously productive, frequently producing as many as 20 bulbs in a cluster from a single bulb plant. It is of excellent quality and size for bunching green, or can be ripened for use as pickling onions. 35c. per quart.

RED MULTIPLIER. Same as the white except in color. 25c. per quart.

RED TOP OR BUTTON. Produce no seed but instead of a small number of bulbs or onions, about the size of acorns on top of the stock. These little bulbs are used instead of seed, and will produce a large onion, maturing much earlier than from the seed. 25c. per quart.

WRITE FOR PRICE ON LARGE QUANTITIES

Petersilie.

PARSLEY

Perejil.

CULTURE. Parsley succeeds best in rich, mellow soil. As the seeds germinate very slowly, 3 or 4 weeks elapse sometimes before it makes its appearance. It should be sown early in the spring, previously soaking the seeds for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep. One ounce to 150 feet of drill

CHAMPION MOSS CURLED. The green leaves are finely cut and curled, and of dark green color. Extra fine for garnishing and culinary purposes. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00. postpaid.



PLAIN LEAVED. This is the hardest variety, foliage very dark green, with plain leaves, having a strong parsley flavor and much preferred in French cooking. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.



DWARF PERFECTION. This new parsley well deserves the name of perfection. It combines a highly decorative appearance with a fine delicate flavor and is very desirable for planting as a border around flower beds.

The plant, if properly transplanted and given space for development, will form a symmetrical half-globe shaped bush from 6 to 8 inches high and about 10 inches across. The color is a delightful green and the leaves are attractively curled. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

HAMBURG TURNIP ROOTED OR GERMAN PARSLEY. The root resembles a small parsnip and is the edible part of this sort; extensively used for flavoring soups. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

NEW EMERALD. The plants are dwarf and of compact growth. The leaves are of a handsome bright green color, and very finely crimped and curled. It is very ornamental and commands high prices in Western markets. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

Pastinake.

PARSNIPS

Chirivia.

CULTURE. They do best in deep, rich sandy soil, but will make good roots on any soil which is deep and mellow and moderately rich. As the seed is slow to germinate, it should be sown as early as possible; cover $\frac{1}{2}$ inch deep, and press the soil firmly over the seed; give frequent cultivation, and thin the plants 6 to 8 to the foot. As they are improved by frost, a part of the crop should be left in the ground for Spring use. One ounce will sow 150 feet of drill, 5 pounds to the acre.

IMPROVED GUERNSEY. Roots comparatively short, ending somewhat abruptly with a small tap root; grows with a cavity on the top or crown of the root. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

SUGAR OR HOLLOW CROWNED. The best for table use; a vegetable of merit, easily raised, and of great productiveness. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

Arvejas.

PEAS

Erbsen.

CULTURE. Peas can be grown in every garden, but for the earliest varieties a light, warm, moderately rich soil is most suitable. The smooth kinds can be sown as soon as the ground can be worked, but the wrinkled varieties should not be planted till it is warmer, or they will rot. Sow in single or double rows from 1 $\frac{1}{2}$ to 2 feet apart, dropping a pea every inch and covering from 2 to 3 inches deep. For a succession sow every ten days up to July. Sow one quart to 50 feet drilled; 1 $\frac{1}{2}$ to 2 bushels to the acre.

PEDIGREE EXTRA EARLY. Equally as early as the choicest strain of Alaska and the peas are of much better flavor. The vines are strong bearers, producing an abundance of fine pods, generally 2 $\frac{1}{2}$ to 3 inches long, well filled with from six to seven fine sweet peas. The peas ripen very uniformly and the whole crop can generally be gathered in one picking, a fact which should particularly appeal to Market Gardeners. Pkt. 5 and 10c; lb. 35c; 2 lbs. 65c postpaid.

EARLY SMOOTH VARIETIES

ALASKA. A variety of remarkable earliness. It is a good yielder and produces pods of good size and dark green color, which are well filled with round, smooth peas of splendid flavor. The color of the dried peas is green. It ripens evenly; one picking will nearly clean off the crop. Advise market gardeners to give this variety a trial. Pkt. 5 and 10c; lb. 30c; 2 lbs. 55c postpaid.

FIRST AND BEST. This is a reliable early cropper of the hardy smooth seed variety. Not quite as early as Alaska Pkt. 5 and 10c; lb. 30c; 2 lbs. 55c postpaid.



ALASKA

EARLY WRINKLED VARIETIES

GRADUS OR PROSPERITY. This remarkable pea is not only large and of the best quality, but it is also nearly as early as the small, round, extra early sorts. It is hardy and may be planted as soon as the ground is fit to work in the spring, along with smooth peas. Also in early fall.

The vine grows to a height of about 30 inches. The pods are of a light green color and measure 4 inches or more in length, being as large as Telephone and equally as well filled with luscious peas—8 to 10 in a pod. The peas are of first class table quality and retain their color and attractive appearance after cooking. It is a grand pea in all respects. Pkt. 5 and 10c; lb. 30c; 2 lbs. 55c postpaid.

AMERICAN WONDER. The vine grows 8 to 10 inches high and is very prolific in pods of striking form and size. In maturing it is among the earliest, ripening in about 50 days from germination. It is among the first of the early green wrinkled sorts. Pkt. 5 and 10c; lb. 30c; 2 lbs. 55c postpaid.

NOTT'S EXCELSIOR. Robust and vigorous in growth, very prolific, producing a profusion of long handsome pods, closely packed with large peas of fine flavor. An improvement on American Wonder, being more vigorous and prolific with large pods with more green peas than either the Wonder or Premium Gem. Seeds green, wrinkled, square at the ends like the American Wonder. Height 12 inches. Pkt. 5 and 10c; lb. 30c; 2 lbs. 55c postpaid.

MAIN CROP VARIETIES

THOS. LAXTON. A very early wrinkled variety of merit. The vines are vigorous, of medium height, usually about 3 feet. The pods are large, often 4 inches long, similar to but larger, longer and darker than those of Bliss Everbearing. The green peas are very large, of fine deep color and unsurpassed in quality. One of the very best sorts for market and home garden. Pkt. 5c and 10c; lb. 30c; 2 lbs. 55c postpaid.

BLISS EVERBEARING. The vines attain a height of 2½ to 3 feet; foliage large; the pods will average 3 to 4 inches in length, each pod producing 6 to 8 wrinkle peas. These peas are very large, being half an inch and over in diameter, and in quality unsurpassed. For a continuance of bearing this variety is unexcelled. Pkt. 5 and 10c; lb. 30c; 2 lbs. 55c postpaid.

TELEPHONE: This variety is one of the finest branching, tall, wrinkled marrows yet introduced. It bears splendid peas of the finest quality and excellent sugary flavor; vine very strong, averaging 18 to 20 pods per plant, the pods are of a large size and closely packed with from 8 to 10 large, delicious peas. Pkt. 5 and 10c; lb. 30c; 2 lbs. 55c postpaid.

MARROWFATS AND SUGAR PEAS

BLACKEYE MARROWFAT. A very productive variety of strong growth; requiring much space. If grown in the garden, brushwood or poles are necessary. Matures in 80 days after germination. Pkt. 5 and 10c; lb. 30c; 2 lbs. 55c postpaid.

WHITE MARROWFAT. Very similar to the Blackeye Marrowfat, except that it does not have black eyes. Pkt. 5 and 10c; lb. 30c; 2 lbs. 55c postpaid.

GRAY SUGAR. (Edible pods.) A splendid variety with edible pods. It grows medium high, and is remarkable for its prolific character. The pods are flat and crooked and contain 5 to 6 peas. Pkt. 5 and 10c; lb. 30c; 2 lbs. 55c postpaid.

Note. If you are in need of peas in large quantities write us. We will make prices that will please you.

PEPPER

Pfeffer.

CULTURE. Pepper should be started in a hot bed in January, and not planted outside until the ground is warm, and there is no more danger of frost. Set the plants in rows 3 feet apart and 18 inches in the row. Hoe often and keep the weeds down. One ounce produces about 1,000 plants.

CHINESE GIANT. One of the very best and largest mango Peppers ever introduced. Its mammoth size, splendid shape, beautifully rich, glossy-red flesh and mild flavor, all lead us to recommend it very highly. Its strong bushy plants are heavily loaded with large fruits, which are produced throughout the season. A very unusual variety and worthy of the highest recommendation. Pkt. 10c; $\frac{1}{4}$ oz. 25c; $\frac{1}{2}$ oz. 40c; oz. 75c; $\frac{1}{4}$ lb. \$2.00; lb. \$7.50 postpaid.

MAGNUM DULCE. This grand pepper has appropriately been styled the "Salad King," as the leading topnotch variety of sweet peppers. But it is not in salad form alone that this sweet pepper excels, for there are other forms in which to prepare it as a tempting and delicious dish. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat; ground steak with onions and other seasoning, makes a most delicious meal. Sliced and fried as egg plant, it is an exquisite dish, or it may be eaten raw, it is so mild-flavored. Our Magnum Dulce sweet pepper can be grown to immense size, 7 inches long and 4 inches through; but when grown so large the yield is small, to get a larger yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Magnum Dulce is carefully grown and selected every year. Pkt. 10c; $\frac{1}{2}$ oz. 40c; oz. 75c; $\frac{1}{4}$ lb. \$2.00; lb. \$7.50 postpaid.

LARGE BELL OR BULL NOSE. A very large pepper of square shape, mild, thick and hard. Suitable for stuffing and for mixing pickles. It is less pungent than other sorts, and notwithstanding its size, is one of the earliest. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75; lb. \$6.00 postpaid.

RUBY KING. Fruit of a bright red color, 6 to 7 inches long by about 4 inches through. They are remarkably pleasant and mild in flavor and can be eaten sliced with vinegar, like tomatoes. The best for making mangoes. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75; lb. \$6.00 postpaid.

PEPPER PIMIENTO. This new pepper is very mild, with thick heavy flesh and has a delicate flavor. The shape is very good, being of medium length and smooth. It presents an attractive appearance when filled for the table. It is also delicious when used in salads or creamed like onions. Very prolific and a good shipper. Pkt. 10c; $\frac{1}{4}$ oz. 15c; oz. 50c; $\frac{1}{4}$ lb. \$1.50 postpaid.

PEPPER. Plants of the above and small red chili (not postpaid). Doz. 20c; 100 for \$1.00; \$7.50.

CHILI PEPPERS

(COMMONLY KNOWN AS CHILI PESADO)

LARGE MEXICAN CHILI.—Big Money Maker. This Chili is grown in Mexico more largely than any other, and is rapidly increasing in acreage here. It is not a rival to the Anaheim Chili or Pimiento, but is in a class by itself, on account of its extreme pungency. It is not canned, but is used almost exclusively for grinding and sold as cayenne, the trade of which is surprising. The enormous 1914 crop of Mexican Chili was sold out before the Anaheim Chili. (Pkt. 10c) (oz. 50c) ($\frac{1}{4}$ lb. \$1.50) ($\frac{1}{2}$ lb. \$2.50) (lb. \$4.50) postpaid.

TOBASCO. The plants develop into large bushes, bearing profusely the little bright peppers in sprays. A mature pepper measures about one inch in length. These peppers are extremely pungent. (Pkt. 10c) (oz. 50c) postpaid.



CHINESE GIANT

ANAHEIM PEPPER. Plants are very vigorous and produce fruits 6 to 8 inches long, tapering from $1\frac{1}{2}$ to 2 inches in diameter at top to almost a point. When dried they are a brilliant scarlet and are still more pungent than the Black Mexican Chili Pepper. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 50c; $\frac{1}{4}$ lb. \$1.50 postpaid.



SMALL CHILI

LONG RED CAYENNE. This fruit is a brilliant coral red, conical and from 2 to 3 inches long and from $\frac{3}{4}$ to 1 inch thick. Very pungent. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75 postpaid.

CELESTIAL. This pepper has two uses, being both ornamenta and edible. The profusely bearing plants produce fruits of constantly changing color. When young they are a creamy yellow and as they mature they become a vivid scarlet. The bushes are an ornament to any garden and the peppers are fine for pickling. Pkt. 10 c; oz. 60c; $\frac{1}{4}$ lb. \$2.00 postpaid.

SMALL RED CHILI. Fruit about 2 inches long and 2-5 of an inch in diameter; red and very hot. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75 postpaid.

CHILI PEQUIN OR BIRDEYE. Fruit very small, round, and exceedingly pungent. Used for seasoning and pepper sauce. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50 postpaid.

POTATOES

Kartoffeln.

Patata.

Standard weights of Irish Potatoes 60 pounds per bushel. Please state in case of stock of variety ordered is exhausted, if we shall return the money or substitute an equal value of some near variety. We make special prices on large lots. Write us. Ask for bushel prices.

Our potatoes are grown by experienced men, who make a specialty of potatoes for seed. You can depend on our stock. It is usually cheaper to have potatoes shipped in bags on account of both the cost of the barrel and the greater weight. We will ship potatoes whenever directed, or use our best judgment, but in no case will we be responsible for delay or damage in transit.

CULTURE. Potatoes can be grown in any soil provided it is well drained, but if grown on sandy, rich soil they will be better of quality than if planted on clay soil. The sets should be planted from 3 to 4 inches deep, according to the time of planting, in rows 3 feet apart and 16 to 18 inches in the rows. If planted $1\frac{1}{2}$ by 3 feet there will be about 9,700 hills in one acre, and it will take between 600 and 700 pounds, according to the size of the sets to plant it. At 3 by 3 feet one-half the quantity is sufficient.

TRIUMPH. This beautiful variety combines the wonderful productiveness of the Peerless with all the good qualities of the Early Rose. Tubers are medium size, round and uniform in shape, with but few small ones; eyes slightly depressed; color a beautiful light red. Its beauty, productiveness and good qualities in general make it one of the best early market varieties, especially for the South, from whence it is shipped to Northern markets, bringing highest prices on account of its appearance. 10 lb. 70c.

IRISH COBBLER. One of the most popular of the early varieties. Its excellent quality, together with its cream-white color, makes it fine for the best trade. It is a vigorous grower, a good keeper and ripens uniformly. 10 lb. 70c.

EARLY SIX WEEKS. Earliest potato in existence and most valuable for market gardeners. A great beauty. Perfect table potato and a wonderful yielder. Ready for market in six weeks, matures in 72 days, two weeks ahead of any other variety and has yielded as high as 400 bushels to the acre. 10 lb. 80c.

EARLY OHIO. Northern grown, Red River stock. Extra early, and one of the best. It is fit for table use before fully ripe, and can be shipped earlier than any other variety. 10 lb. 90c.

NORTHERN EARLY ROSE. A popular standard potato noted for earliness, productiveness and fine quality. 10 lb. 90c.



IRISH COBBLER

SWEET POTATOES

WRITE FOR PRICES

CULTURE. Sweet potatoes should be started in a hot bed. When the ground is warm and the danger of frost is past the shoots are carefully lifted and planted in rows three feet apart and eighteen inches in the row. They need considerable care till well started, but after getting a good start will grow easily. They should be cultivated quite often, moving the vines to prevent from rooting at the joints. They must be harvested before frost.

Buyers will please note that owing to the tenderness of Sweet Potatoes we do not guarantee the safe arrival of Sweet Potato Plants or seeds; however we use all precautions necessary in packing and time in shipping. Sweet Potatoes can be shipped by parcel post.

THE VINELESS. We know that every grower wants to improve his stock of Sweet Potatoes. Usually just any kind of Sweet Potatoes have been planted for seed.

In offering our customers this improved variety, which is absolutely first class and free from disease, we know that you will be highly pleased with the results obtained. We have been looking for a high-class Seed Sweet Potatoe for many years and now have something that you will be proud of if you will grow a crop of them.

The Vineless is the best dry weather sweet potatoe in the country.

PRIDE OF TEXAS. Grown alongside of all other varieties known to us, "Pride of Texas" out yielded every other sort. The strongest point in favor of the "Pride of Texas" is the excellent shape of the tubers. While all the other varieties end in a more or less long, slim neck, this sort is rather blunt at both ends. The average specimen measure 8 inches in circumference in the middle, with 6 to 7 inches in circumference on either end. And we have frequently found 8 to 10 fine tubers to a single hill, weighing an average of 10 ounces each. The tubers are of superior appearance having an attractive, russett-yellow skin, flesh of a beautiful rich, light salmon color.



PUMPKIN YAM. Taking into consideration quality and productiveness the Yam stands at the head of the list. Frequently when baked the saccharine matter in the shape of candy will be seen hanging to them in strings. Skin and flesh yellow and very sweet. Without a doubt the best potato for family use. This is the kind mostly planted in the South and is a universal favorite in this section.

BLACK SPANISH. A late variety of fine quality. The skin is of a dark red color, the flesh white. The tubers are of a long shape and keep excellently.

NANCY HALL. A smooth, yellow skinned yam. Oval, uniform, with deep yellow flesh, which cooks soft and sweet. Early and of fine quality.

DOOLEY YAM. Yellow skin and flesh, somewhat similar to the Pumpkin Yam; is very productive and yields a large crop. It is sweet and sugary.

Ask for prices on above Seed Sweet Potatoes. In stock March, April and May.

SWEET POTATO PLANTS. We will have plants of the above varieties about May 1st. Prices, packed at San Antonio, per 100 50c; per 1,000 \$3.50. If wanted by mail add 15c. per hundred.

WRITE FOR PRICE ON LARGE QUANTITIES

PUMPKINS

Kurbise

Calabaza.

CULTURE. Pumpkins require the same general culture as melons and squashes. As the plants require much space and as they readily mix with cucumbers, melons, etc., they are not very suitable for the home garden. The common practice, and a good one, is to plant the seeds in the corn field, either in hills or between the rows, after the last cultivation. One ounce of seed to thirty hills; 3 pounds to an acre.

KING OF MAMMOTH OR GENUINE MAMMOTH. The flesh and skin are of a bright golden yellow. Flesh fine grained and of excellent quality. Notwithstanding its enormous size, it is one of the very best pie pumpkins ever grown, and a splendid keeper. This enormous variety has been grown to weigh over 200 pounds. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.

SMALL SUGAR. Smaller than field pumpkins, but finer grained, sweeter and very prolific; first rate for the table or stock. The best variety for making pies. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

LARGE CHEESE. A popular variety in the South. Fruit flattened, the diameter being 2 or 3 times more than the length. Skin mottled green light and yellow changing to rich cream color as it matures; flesh tender and of excellent quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 85c postpaid.

TENNESSEE SWEET POTATO. A good variety for making pies and other cooking purposes. It is of medium size, of a creamy white color, and has an excellent flavor; good keeper. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.

COMMON FIELD OR BIG TOM. The well known old Connecticut variety. Grows well among corn; varies in shape. Excellent for feeding dairy stock. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. \$90c postpaid.

KENTUCKY FIELD. A large variety, producing pumpkins in abundance. Has thick meat of fine quality. Very suitable for canner's use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c postpaid.

MAMMOTH TOURS. A French variety which grows to an immense size, often weighing over 100 pounds. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.20 postpaid.

JAPANESE PIE. The flesh is very thick, nearly solid; the seed cavity being very small in one end of the pumpkin; fine grained, dry and sweet, having much the taste and appearance of sweet potatoes. They ripen early, keep well, and are fine for home use. The seeds have peculiar marks resembling characters of the Chinese alphabet. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.

CUSHAW OR CROOKNECK. A green striped variety liked by many. Has yellow flesh, solid and sweet. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.



CUSHAW

MEXICAN LAGUNA. Originated in the famous Laguna lake districts of Northern Mexico, this variety is peculiar, comprising different shapes and sizes, which are all good. They are hardy and prolific, splendidly suitable for shipping. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.75 postpaid.

RADISHES

Radieschen.

Rabanitos.

CULTURE. Sow early in the spring as the ground can be worked, and every two weeks throughout the season for a succession of crops. A warm sandy loam, made rich and light by some good, strong manure, which is thoroughly rotted will be most likely to afford them free of worms and brittle. During summer months use the summer and winter varieties, as the early kind get pithy. Winter Radishes can be wintered over as easily as any root crop and furnish an acceptable relish. One ounce to 100 feet of drill; 10 pounds to the acre.

EARLY ROUND VARIETIES

ROSY GEM. One of the earliest varieties in cultivation. It is of perfectly globular shape, of rich color, being deep scarlet on top, blending to pure white at the bottom. The radishes are exceedingly tender and crisp and delicious. Desirable for growing under glass as well as in the open ground. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

RADISHES—Continued.

EARLY SCARLET GLOBE. This variety makes roots fit to pull as early as Non-Plus-Ultra, but they are much larger when full size, and for this reason are very popular in some markets. Roots round or slightly oval shaped; color rich, deep scarlet, flesh white and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

EARLY ERFURT DARK ROUND RED OR DEEP SCARLET TURNIP. This is a splendid strain of the small extra early, round radish, it is ready for use in 18 to 20 days after sowing. The radishes are very attractive, tender and mild flavor. The tops are small, hence it is an excellent variety for growing under glass. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

EARLY SCARLET TURNIP. A small, sound, red turnip shaped radish with a small top, and of very quick growth. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

CRIMSON GIANT GLOBE. This new radish is an entirely new type, and differs from all the varieties hereto in cultivation, in so far that its roots attain more than double the size of those of other forcing varieties without getting pithy or hollow. This giant radish develops roots 6 to 8 inches in circumference and over an ounce in weight, their pure white flesh remaining firm and crisp, and of mildest flavor. Notwithstanding the extraordinary size and weight of its bulbs, it is second to none as a forcing variety. It's equally well adapted to outside culture. The seeds should be sown thinly to permit full development of the roots. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

NE PLUS ULTRA. By far the smallest-topped and earliest forcing radish in cultivation. Roots small, round, deep red, with very crisp, tender white flesh. This is the very best variety for forcing, as it will mature in 18 to 21 days and the tops are so small that a large number can be grown in a single bed. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

SCARLET TURNIP, WHITE TIPPED. A beautiful variety deep scarlet with white tip. It is very ornamental for table use, and is becoming very popular as a market variety. It is of the same size and shape as the scarlet turnip variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.



Scarlet Turnip, White Tipped.

OLIVE-SHAPED VARIETIES

FRENCH BREAKFAST. A medium-sized radish with small top. Quick growth and very crisp and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

EARLY SCARLET OLIVE SHAPED. Very early and handsome. Lovely rose color, oblong shaped, top very small. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

SUMMER VARIETIES

All of the following varieties attain a larger size than do any of the earlier radishes. While not ready for the market quite so early they remain in fine condition longer without becoming pithy.

WHITE DELICIOUS RADISH. Not since the now popular "Iceberg" Radish was brought to us from Germany years ago have we found such an excellent radish as the "White Delicious," which we now offer to "Southern Planters." "White Delicious" is particularly adapted for summer use, producing handsome olive-shaped roots, which are pure white, exceedingly crisp and of mild flavor. "White Delicious" requires a longer time to mature than the earlier varieties of Radishes, but it remains in condition much longer. It is altogether the most desirable variety for summer use and we are sure our customers will like it. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.50 postpaid.

LONG WHITE VIENNA OR LADY FINGER. A rapid grower of fine shape. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

GOLDEN GLOBE SUMMER. A general favorite with market gardeners. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.50 postpaid.

RADISHES—Continued

LONG VARIETIES



WHITE ICICLE

GLASS RADISH. The radish comes from the same gardener in Denver who originated the Denver Market Lettuce, and is a fine acquisition. It is a long radish of light pink color, white tipped, of uniform size. The flesh is transparent white, always crisp and brittle, even if grown to a large size, and mild flavored. It was named "Glass Radish" on account of fine transparency of the flesh. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

HALF LONG DEEP SCARLET. The roots of this hardy and desirable variety are of a very brilliant, deep rich color, and half long, with somewhat tapering points, the flesh is white, crisp and tender, and holds its juiciness very well not becoming pithy until overgrown. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

EARLY SCARLET SHORT TOP. Is undoubtedly the best standard variety for private garden and market use. It grows 6 or 7 inches long, half out of the ground. It is very brittle and crisp and of quick growth. Color bright scarlet, small top, tapers regularly to the root, and is uniformly straight and smooth. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

SAKURAJIMA RADISH. This Japanese curiosity is the largest of the oriental winter radishes. It is a white variety of a good quality and mild flavor, attaining a length of 2 feet, and a diameter of 1 foot or more. Should be sown in February in drills 2 feet apart and thinned to 1 foot apart in the rows. If sown in the spring the winter radishes are apt to go to seed and form no root. In China and Japan they are most commonly eaten cut in chunks and pickled in brine; also sliced or shredded when fresh. Pkt. 10c; oz. 20c postpaid.

WHITE ICICLE. An entirely distinct long, slender pure white variety. It is without doubt the earliest and finest long white Radish in existence. Ready for use fully as early as Long Scarlet Top, with less foliage, rendering it most desirable for forcing. In the open ground the roots continue brittle, crisp and mild until they are fully as large as those of the Long Bright Scarlet. The Icicle is perhaps superior to the finest long red ones. Roots four inches in length and half an inch in diameter; they retain their crispness and fresh, mild flavor until fully 6 inches long and an inch in diameter. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid. ■■■■

LONG BRIGHT SCARLET OR CARDINAL. Extra early, the roots being fit for use about 25 days after sowing; very bright color; quite unique; being the most fiery scarlet in any kind of radish. It is very slightly tipped with white, and the flesh is crisp and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.



LONG BLACK SPANISH

WINTER RADISHES

LONG BLACK SPANISH. An excellent keeper. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00. postpaid.

ROUND BLACK SPANISH. Fine for winter use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00. postpaid.

WHITE CHINESE OR CELESTIAL. Cultivated extensively by market gardeners. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

CHINA ROSE COLORED. Not as strong as the "Spanish" Radishes. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

CALIFORNIA MAMMOTH WHITE. Grows from 8 to 12 inches long. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid.

RHUBARB OR PIE PLANT

Rhobarbar.

Ruibarbo.

CULTURE. Rhubarb succeeds best in deep, somewhat retentive soil. The richer its condition and the deeper it is stirred the better. Sow in drills an inch deep and thin out the plants to 12 inches apart. The following spring transplant in place; set the plants from 4 to 5 feet each way. One ounce produces from 400 to 500 plants. Book, "Rhubarb Culture," by J. E. Morse, price 50c.

LINNAEUS. Early, large and tender. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50 postpaid.

VICTORIA. The most popular variety, later than the preceeding. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50 postpaid.

AUSTRALIAN CRIMSON WINTER. Luther Burbank's introduction. Can be grown indoors in winter time. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50 postpaid.

RHUBARB ROOTS

From December to March

LINNAEUS and VICTORIA. 2 for 25c; 5 for 50c; 12 for \$1.00; charges prepaid. If by freight or express not prepaid 85c per dozen; \$5.00. per 100.

No Plants or other Perishable Stock sent C. O. D.

ROSELLE

THE AUSTRALIAN JELLY PLANT.

This plant, coming from Queensland, Australia, will grow wherever cotton grows, and with much the same cultivation. It blossoms in October and November and after the blossoming a seed pod forms with fleshy red leaves around it. Pick this while soft, put in a kettle with just enough water to cover and boil, strain, add $\frac{1}{2}$ pint sugar and $\frac{1}{4}$ lemon juice to each pint of juice and boil till it jellies. It has a delicious flavor between the currant and quince; many prefer to either. It is probably the most valuable jelly plant for the South, easily replacing the cranberry. It can also be made into jams, pies, puddings, etc.

It is easily grown from seed, which should not be planted till the ground becomes warm; if given plenty of water it will require 8x8 feet. It will not mature seed in the colder climates, but in the favored Gulf Coast Country it matures perfect seed. Our seed is specially grown for us at La Granja, the fruit and flower farm of Eltweed Pomeroy, is selected with great care. Price. 25c per packet; \$2.00 per quarter pound.

SALSIFY, OR OYSTER PLANT.

Haferwurzeln.

Salsif.

CULTURE. The Oyster Plant succeeds best in some light, well enriched soil which previous to sowing in seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One oz. for 60 feet of drill; 5 pounds to one acre.

MAMMOTH SANDWICH ISLAND. This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. The Oyster Plant is one of the most nutritious and delicious vegetables, and should be more generally cultivated for winter use when the supply of really good vegetables is limited. No Market Gardener should fail to grow it. It is a paying proposition. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 75c; lb. \$2.75 postpaid.



SALSIFY

SPINACH

Epinard (Fr.), Spinat (Ger.), Espinago (Sp.), Spinace (Ital.).

CULTURE. A great deal of this is raised for the Northern market. It is very popular. Sown from September to the end of March. If the Fall is dry and hot it is useless to sow it, as the seeds require moisture and cool nights to make them come up. The richer the ground the larger the leaves. One ounce to 150 feet of drill; 8 pounds to the acre.

TRUE VICTORIA. The foliage is heavy, the broad dark leaves being of the true Savoy appearance and are of the finest quality. The feature that makes it of especial value for both market and family gardens, is that it is in prime condition from two to three weeks after all other varieties of Spinach have run to seed. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

BLOOMSDALE. A most valuable variety. In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. It produces nearly twice the bulk of crop as the ordinary sort, is fully as hardy and in all other respects equal. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c postpaid.

NEW ZEALAND. (*Tetragonia expansa*.) This is not a Spinach of the ordinary kind, but a plant of branching growth. One single plant will grow to dimensions of six feet across, producing an abundance of thick, fleshy, juicy stems, and leaves, which make an excellent Spinach. The flavor is fine and the fact that it does well throughout the hottest summer, makes it all the more desirable. Every Market Gardener should grow a crop where there is a market for Spinach. It is a money maker. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00 postpaid.



BLOOMSDALE SPINACH

ROUND SUMMER. This variety is generally preferred for early spring growing, and is popular with market gardeners. Leaves thick and fleshy. Not quite as hardy as the prickly, but stands winter well. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

PRICKLY OR WINTER. The hardiest variety and will withstand the severest weather with only a slight protection of straw or leaves. The seed is prickly, leaves triangular, oblong or arrow shaped. It is the best for fall sowing, which in this latitude is about the first of September. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

LONG STANDING. An improved strain of excellent merit, having all the good qualities of the ordinary sorts; but it is especially desirable because of the fact that it is much later in going to seed than the average variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

WRITE FOR PRICE ON LARGE QUANTITIES

Cow peas grow well nearly all over the South but much better when inoculated with FARMOGERM.

No matter how well your cow peas grow, inoculate them with FARMOGERM and see the difference. See page 102.

SQUASHES

Speise Kurbise.

Calabaza.

Squashes are divided into two classes; the early summer sort and the late fruited winter variety. Sow about the middle of spring in hills, the early sort about 4 feet apart, and the late varieties red 8 feet. Drop enough seed to be thinned to three plants in a hill. The hills should be highly manured; and prepared in a similar manner as those for cucumbers. One ounce to 40 hills for small sort large varieties 1 ounce to 20 hills; 3 to 4 pounds to the acre.

SUMMER VARIETIES

EARLY WHITE BUSH. This is the well known White Patty-pan squash. The earliest to mature, very productive; light cream colored. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25 postpaid.

MAMMOTH WHITE BUSH. The fruit is a beautiful white wax instead of the yellowish white so often seen in the old stock, and is much larger. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.35 postpaid.

GOLDEN SUMMER CROOKNECK. A small crooknecked summer squash; skin bright yellow, covered with warty excrescences. Very early, productive and of excellent flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25 postpaid.

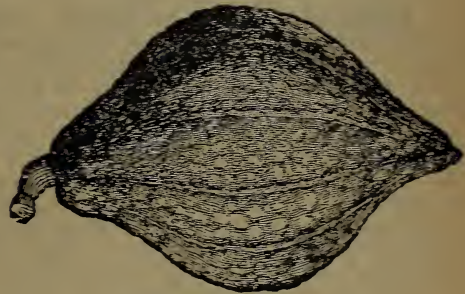


EARLY WHITE BUSH

MAMMOTH SUMMER CROOKNECK. One of the best summer Squashes. It is twice as large as the ordinary Summer Crookneck, highly attractive, several days earlier. This combination of earliness and size make it a most desirable variety for the market gardener as well as for private use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.35 postpaid.

HUBBARD. The best table Squash yet known rivaled only the "Delicious." Good specimens are about equal to the sweet potato. It has a hard shell, and with some care will keep three months longer than the Marrows. Flesh fine grained, dry and of excellent flavor. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.

THE WARTED HUBBARD. This is, in quality, one of the best winter sorts. It is attractive on the market and a ready seller. Very dark green, and flesh is dry and sweet. Very hard shell, which insures good keeping qualities. It is considered an improvement on the old type of Hubbard on account of its warted skin. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.



HUBBARD SQUASH

GREGORY'S DELICIOUS. This fine new winter squash, now offered by us to the Western Planters is of the finest quality possible. The Eastern people have had it for the past few years, and the popularity of this splendid variety increases steadily. In size it closely resembles the original Hubbard. In color it is almost uniform with occasionally a blue specimen. The thickness of its flesh surpasses nearly every other variety; the color being a dark orange. For table use it cannot be excelled; these Squashes represent a remarkable combination of fineness and compactness of grain, dryness, sweetness and exceeding richness of flavor. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.

BOSTON MARROW. Oval in form, color of skin bright orange, flesh yellow, very desirable for late autumn and winter use. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.

ENGLISH CREAM MARROW. It is as sweet as a sweet potato, and has none of that pumpkin flavor. It is good any way it comes on the table, and is better than Hubbard Squash for pie. It is 6 to 8 inches long and half as thick. Decidedly firm, it will keep from one season to another. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; $\frac{1}{2}$ lb. 85c; lb. \$1.50 postpaid.

VEGETABLE MARROW. A favorite English sort; early, skin greenish-white, flesh white, soft and of rich flavor; quite distinct from other sorts. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50 postpaid.

ACORN. Every home garden should have a few hills of this delicious squash. For table use or for pies it is unsurpassed, uniform in shape and bright red color makes it a desirable ornament for the table.

Recipe. Remove the blossom end, take out all the seed, and bake in an oven. When baked, remove the edible portion, season and serve in the shell. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 80c postpaid.

TOBACCO

Tabak.

Tabaco.

CULTURE. Tobacco in this part of the country should be started in a hot-bed in February and treated the same as tomatoes.

HAVANA. Pure Cuban grown seed. When grown in this country commands a high price as cigar stock. Pkt. 5c; oz. 50c; $\frac{1}{4}$ lb. \$1.50 postpaid.

MISSOURI BROAD LEAF. A well known standard sort, valuable for cigar wrappers. Pkt. 5c; oz. 50c; $\frac{1}{4}$ lb. \$1.50 postpaid.

CONNECTICUT SEED LEAF. Best adapted to the climate of the Middle and Northern States, and it is more hardy and endures the cold better than the tender varieties grown in the South. Pkt. 5c; oz. 50c; $\frac{1}{4}$ lb. \$1.50 postpaid.

WHITE BURLEY. A variety grown for the manufacture of fine cut and plug. Pkt. 5c; oz. 50c; $\frac{1}{4}$ lb. \$1.50 postpaid.

TOMATOES

Tomaten oder Liebesapfel.

Tomato.

CULTURE. The seed should be grown in January in a hot bed or green house, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. They should be hardened before planting outside. About the middle of April the plants may be set in the open ground, from 4 to 5 feet apart each way. Our stock of tomatoes is grown by several of the best growers. One ounce produces about 1,500 plants.

To prevent rot and blight on tomato plants spray with Bordeaux mixture, when first fruits have set. If disease appears repeat or use Black Leaf "40" or a weak Copper Sulphate solution as often as needed. Slug shot is also a good insecticide to use on tomato plants.

EARLIANA. This is without doubt the earliest bright red tomato now in cultivation. The tomatoes are deep scarlet and grow closely together in clusters of five to eight. They are of medium size, smooth and solid. The plants are quite hardy with rather slender branches, bearing an abundance of fine tomatoes. The close dwarf habit of growth makes it very desirable variety, where not much space can be wasted on a more spreading and branching variety. It is especially valuable as it produces fruit at the time when the prices are the highest. No market gardener should be without it. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50 postpaid.

CHALKS EARLY JEWEL TOMATO

Of most handsome appearance, finest flavor and early ripening qualities, this new bright red Tomato is destined to become a leader among the already numerous popular varieties. In time of ripening it is within a week or ten days later than "Spark's Earliana", the well known earliest of all bright red tomatoes. The extremely handsome fruits are of the finest table qualities, possessing remarkably sweet flavor. They are solidly meaty, having small cavities and are not apt to crack. The plants are of robust growth, strong, producing fruits throughout the season and for this reason we recommend to plant "Chalk's Jewel" not only for an early crop producer, but as one which may be planted as a main crop as well. Pkt. 5c; $\frac{1}{2}$ oz. 15c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50 postpaid.



EARLIANA

Tomato plants are easily fertilized by putting a STIM-U-PLANT Tablet under them every ten days. See Page 122.

TOMATOES—Continued

NEW DWARF STONE (Bright Red—110 days). This dwarf Tomato has a stout, upright and compact growth. Vines are very stout and prolific. The fruits are larger than Dwarf Champion, very meaty and solid. The greatest canning Tomato in the world. The largest, bright red, perfectly smooth, high yielding, best keeping, finest flavored variety in existence. Vines vigorous and productive. The best all-around variety where earliness is not important. Very solid, ripening right up to the stem without any cracks or green core. The foliage is rather open, admitting the sunlight to the center of each plant, so that all the fruits are thoroughly ripened, the leaves are dark green and not inclined to curl. Flesh thick, solid, with comparatively few seeds and of sweet flavor; skin thin, but strong enough to make it a good shipper. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. 1.25 lb. \$4.00 postpaid.

LIVINGSTON'S GLOBE TOMATO. A most popular tomato with Texas shippers. Our seed of this variety is grown from Livingston's original strain and kept absolutely pure. We find it one of the earliest. Fruits are smooth and of good size; firm flesh and few seeds. Very productive of fruit being short jointed, and clusters of fruit form at each joint. Fruits are of right size and shape to pack well for shipment. Color of skin purplish red, about the same shade as our Redfield Beauty. Our experience with this variety both in our own crops and by observation of market gardens in several states is that about one-half of the fruits come true globe shaped; the balance are either flattened, but much thicker, proportionately, than other varieties. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.50 postpaid.

THE TRUCKER'S FAVORITE. This, in our estimation, is the "Pereless" amongst the pink tomatoes. A variety of such unusual merit that it deserves the highest praise and recommendation. It is truly "The Trucker's Favorite." Its fine and smooth uniformly shaped fruits command the highest market price and when once a market has found out the meritorious characteristics of this splendid sort, it cannot do without it.

The fruits are thick meated and very solid; the meat is of the finest flavor, making the tomatoes equally good for slicing and for cooking purposes. A basket of these tomatoes is one of the most attractive sights on the market table, and parties offering them for sale will find the demand larger than the supply. Be sure to include this variety in your next order. You will want more seed next year. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 80c; lb. \$2.75 postpaid.

McGEE. Originated by M. C. McGee, San Marcos, Texas. Claimed to yield splendid crops where other varieties fail. Bright crimson in color, solid and of good flavor. Pkt. 50c postpaid.

ACME. A tomato of superior quality; of medium size and slightly oval in shape. Flesh deep scarlet and unusually solid. Grows very regular. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50 postpaid.

BEAUTY. It grows in clusters of four or five large fruits, retaining its large size very late in the season. It ripens very early and evenly, and is in perfect shape. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50 postpaid.

THE NEW "JUNE PINK" TOMATO. Undoubtedly, the best pink-fruited early Tomato in cultivation. It is fully as early as "Spark's Earliana," of high productiveness and the vines are absolutely blight proof. The splendid round, solid, meaty Tomatoes are the attraction of the markets, and when bright red varieties were bringing \$1.25 to \$1.50 per crate, "June Pinks" sold for \$2.25 to \$2.50. The plants are very thrifty, making a vigorous growth. The fruits are usually set in large clusters and run from $2\frac{1}{2}$ to $3\frac{1}{2}$ inches in diameter. They stand shipping exceedingly well and bring highest prices wherever offered. The Tomatoes are solid, free from core, have only few seed cavities and the meat is of fine flavor. "June Pink" is altogether the most desirable pink variety of first crop. It will, we are sure, be a great "money maker" for truckers. Pkt. 5c; $\frac{1}{2}$ oz. 20c; oz. 35c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.00 postpaid.

Every gardener should have a supply of STIM-U-PLANT Tablets on hand. See page 122.



THE TRUCKER'S FAVORITE

TOMATOES—Continued



DWARF CHAMPION

DWARF CHAMPION. Its close, upright growth enables it to be planted much earlier and nearer together than any of the older sorts, and the yield, therefore, is accordingly much greater. In productiveness it is unsurpassed. It is also very early. The fruit resembles the Acme, and is of a purplish pink color, and always smooth and symmetrical in form. It is medium size and attractive in appearance; the skin is tough and the flesh solid and of fine quality. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.00 postpaid.

GOLDEN PONDEROSA. There are several varieties of Yellow Tomatoes on the market, but most of them are valuable only on account of their yellow color. The Golden Ponderosa has all the good qualities of the Red Ponderosa, and in addition has a striking yellow color, which makes it very attractive.

It is a heavy yielder and the tomatoes are of very large size and of a delicious flavor. Excellent for slicing and when the slices are served on a dish with slices of red tomatoes the effect is very pretty and attractive. Pkt. 10c; oz. 40c postpaid.

EARLY DETROIT. This is a splendid variety introduced five years ago, is claimed to be the earliest and the best of the Early Purplish Pink Tomatoes. Vine vigorous and very productive. Fruits very smooth and uniform in size, nearly globe shape, firm and of excellent quality. It is used almost exclusive by the truckers around Corpus Christi and Engleside, Texas for early shipping. One of the most valuable shipping tomatoes yet produced. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.00. lb. \$3.50 postpaid.

PONDEROSA. The Giant among Tomatoes. The fruit is extra large and fine for slicing. If you want Big Tomatoes, plant Ponderosa. Pkt. 5c; oz. 50c; $\frac{1}{4}$ lb. \$1.75; lb. \$6.00 postpaid.

TOMATO. Plants. Doz. 15c; 100 50c; 1000 \$4.00. Not postpaid.

If wanted by parcel post add 15c per 100 plants.

YELLOW AND SMALL-FRUITED VARIETIES

GOLDEN QUEEN. The best yellow variety. Of superior appearance and a distinct flavor of its own. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; lb. \$5.50 postpaid.

RED PLUM. Same as Yellow Plum except color. Pkt. 5c; oz. 40; $\frac{1}{4}$ lb. \$1.50; lb. \$5.50 postpaid.

YELLOW PLUM. Color bright yellow; excellent for preserving. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; lb. \$5.50 postpaid.

RED PEAR. A small variety, early; fine for preserving. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; lb. \$5.50 postpaid.

YELLOW PEAR. Same as above except color. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; lb. \$5.50 postpaid.

RED CHERRY. A small variety, size and shape of a cherry; for pickling. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; lb. \$5.50 postpaid.

YELLOW CHERRY. Same as above, except color. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; lb. \$5.50 postpaid.

HUSK TOMATO or GROUND CHERRY. This very fine for preserves; immensely productive. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; lb. \$5.50 postpaid.

STIM-U-PLANT Tablets come in four sized packages: trial size 15 cents, small size 25 cents, medium size 75 cents, large size \$3.50. See page 122.

Navet (Fr.); Ruebe (Ger.); Nabo Comun (Sp.); Navone (Ital.).

CULTURE. Turnips do best in new ground. When the soil has been worked long, it should receive a top dressing of ashes. If stable manure is used the ground should be manured the Spring previo to sowing, so it may be well incorporated with the soil. When fresh manure is used the Turnips a e apt to become speckled. Sow from end of July to October for Fall and Winter, and in January, February and March for Spring and Summer use. They are generally sown broadcast, but the Ruta Baga should be sown in drills, or rather ridges, and should not be sown later than the end of August; the Amber Globe and Aberdeen not later than the end of September. The Early White Flat Dutch, Early Egg and Pomerian Globe are the best for Spring, also good for Autumn. One ounce to 260 feet of drill; 1½ pounds to the acre.

WHITE FLESHED VARIETIES

EARLY SNOWBALL. Is medium sized, pure white and early, of excellent quality. In our market it is much admired. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

PURPLE TOP STRAP LEAVED. The standard for this part of the country. Superior for early or late planting. Round, flat, good sized, small top with but few leaves; flesh very fine; flavor good. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

POMERIAN WHITE GLOBE. This is a free-growing, rough leaved sort, useful for both table and stock. It is not quite so rapid growth as the flat varieties; may be expected to come in as a succession in autumn and is admired for table use in early winter. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

EARLY WHITE EGG. A quick-growing, egg shaped variety, perfectly smooth, pure white, growing half out of the ground, with small top and rough leaves. Its pure white skin and quick growth make it particularly suitable for market purposes. The flesh is very sweet, firm and mild, never having the rank taste of some varieties. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

EARLY WHITE FLAT DUTCH. This is a popular early turnip for table use. For autumn and the early winter use this and the purple top are highly popular. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.



WHITE FLAT DUTCH

RED TOP WHITE GLOBE. Upper half is of purplish red color, while the lower half is pure white. Flesh is white throughout, crisp and of excellent table quality. It is rather late, grows to a large size, and may also be profitable used for stock. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

SEVEN TOP. Cultivated exclusively in the South for the, tops which are used for greens. It is very hardy and will grow all winter; but does not produce a good root. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

LONG WHITE or COW HORN. Without a question a good flavored and delicate sort. A distinct feature is its rapid growth. This variety is a pure white, except a dash of green at the crown, and in shape is long like a carrot and generally crooked, hence its name. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.



RED TOP WHITE GLOBE

YELLOW FLESHED VARIETIES.

AMBER GLOBE OR STRAP LEAVED. One of the best varieties for table use or for a field crop for stock. Flesh yellow, fine-grained and sweet, color of skin yellow, with green top. Hardy, keeps well, a good cropper, grows to a very large size. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

YELLOW ABERDEEN or SCOTCH YELLOW. This is a turnip fine for cattle feeding. It attains a large size, is solid, nutritious, a good keeper, and can be recommended in every respect. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

TURNIPS—Continued.

RUTABAGAS or SWEDISH TURNIPS

PURPLE TOP YELLOW RUTABAGA. The best variety of Swedish turnip in cultivation. Hardy and productive, flesh yellow, of solid texture, sweet and well flavored; shape slightly oblong; terminates abruptly with no side or bottom roots; color deep purple above and bright yellow under the ground; leaves small, light green with little or no neck; the most perfect in form, the richest in flavor and the best in every respect. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

SWEET GERMAN. Flesh white, hard and firm, partaking much of the nature of the rutabaga. Must be sown much earlier than the flat turnip. In the Autumn and the early Winter it is apt to be too hard, but mellows like an apple by keeping. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c postpaid.

AROMATIC, MEDICINAL AND POT HERBS—Postpaid

Most of the varieties of herbs thrive best on sandy soil, and some are stronger and better flavored when grown on that which is rather poor. In all cases the soil should be carefully prepared and well cultivated, as the young plants are for the most part delicate and easily choked out by weeds.

ANISE (*Pimpinella anisum*) An annual herb cultivated principally for its seeds which have a fragrant, agreeable smell and a pleasant taste; used medicinally for aromatic cordials, colic and nausea. The leaves are sometimes used for garnishing and flavoring. Plant of slender upright growth with deeply cut foliage; flowers small, yellowish white, borne in large loose umbels. Pkt. 5c; Oz. 25c.

BALM (*Melissa officinalis*) A perennial herb, easily propagated by division of the root or from seed. The leaves have a fragrant odor similar to lemons and are used for making balm tea for use in fevers and a pleasant beverage called balm wine. Plant one to two feet high, hairy, loosely branches with ovate leaves; flowers white or pale yellow in loose axillary clusters. Pkt. 5c; Oz. 30c.

BASIL, SWEET (*Ocimum basilicum*) A hardy aromatic annual. The seeds and stems have a strong flavor and are used in soups and sauces. Plant about eighteen inches high, branching, with ovate toothed leaves; flowers white or bluish white in leafy terminal racemes or spikes. Pkt. 5c; Oz. 25c.

BORAGE (*Borago officinalis*) A hardy annual used as a pot herb and for bee pasturage. The bruised leaves immersed in water give it an agreeable flavor and are sometimes used in salads to give a cucumber-like taste. Plant of coarse growth, hairy, with large oval leaves; flowers blue or purplish in racemes. Pkt. 5c; Oz. 15c; 2 Oz. 25c.

CATNIP or CATMINT. A great favorite among medicinal herbs. Pkt. 10c; Oz. 50c.

CHERVIL. Annual, used for soups and salads. Pkt. 10c; Oz. 50c.

CARAWAY (*Carum carui*) A well known herb, cultivated for its seeds, which are used in confectionery, cakes, etc. The leaves are sometimes used in soups, for flavoring liquors and for colic in children. Plant one and one-half to two feet high, with finely cut foliage and cluster of small, white flowers. Plants never seed till the second year. Pkt. 5c; Oz. 10c.

CORIANDER (*Coriandrum sativum*) A hardy annual cultivated for its seed which has an agreeable taste and is used in confectionery and to disguise the taste of medicine. Gather on a dry day, bruising the stems and leaves as little as possible, for when injured they have a disagreeable odor which they impart to the seed. Plant slender, two to two and one-half feet high, strong smelling, with smooth, finely cut foliage and small white flowers. Pkt. 5c; Oz. 10c.

DANDELION-LOEWENZAHN. Perennial. Cultivated for spring greens; an excellent tonic. Pkt. 5c; Oz. 25c.

DILL (*Anethum graveolens*) An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medicinal properties but its largest use is for making Dill pickles. Plant branching, two to three feet high; leaves very much cut into thread-like segments. Pkt. 5c; Oz. 10c.

FENNEL, SWEET (*Foeniculum officinale*) A hardy perennial. The seeds of this aromatic herb have a pleasant taste, and are sometimes used in confectionery, also in various medicinal preparations. The young shoots are sometimes eaten raw and are used in salads, soups and fish sauces. Plant very branching, two to four feet high, with dense thread-like foliage; flowers light yellow in large loose umbels. Seed oval. Pkt. 5c; Oz. 20c.

HOREHOUND (*Marrubium vulgare*) A perennial herb with an aromatic odor and a bitter, pungent taste. It is a tonic and enters largely into the composition of cough syrups and lozenges. Laxative in large doses. Will thrive in any soil but is stronger if grown on light, poor land. Plant spreading, one to two feet high; leaves ovate, roughened, covered with whitish down; flowers small, white, borne at axils of leaves. Pkt. 5c; Oz. 20c.

HYSSOP (*Hyssopus officinalis*) A hardy perennial with an aromatic odor and a warm pungent taste. It is a stimulant, expectorant and mild tonic. The flowering summits and leaves are the parts used. It does best on dry, sandy soil. Plant upright with narrow glossy dark green leaves; flowers small, borne in whorled spikes, blue, sometimes white or pink. Pkt. 5; Oz. 20c.

LAVENDER (*Lavendula spica*) A hardy perennial, growing about two feet high. It is used for the distillation of lavender water or dried and used to perfume linen. It should be picked before it becomes dry and hard, and dried quickly. The seed is of rather slow and uncertain germination. Plant erect, with slender grayish green leaves and small violet-blue flowers. Pkt. 5; Oz. 40c.

MARJORAM, SWEET (*Origanum marjorana*) An aromatic herb for seasoning. The young tender tops and leaves are used green in summer to flavor broths, dressings, etc., and are also dried for winter use. Usually grown as an annual as it is not hardy enough to endure the winter of the northern states. Plant erect but branching with small oval grayish green leaves and small purplish or whitish flowers. Pkt. 5c; Oz. 50c.

PEPPER MINT. Leaves used for flavoring. Pkt. 10c; 1 oz. 60c.

PENNYROYAL. Used largely for medicinal purposes. Pkt. 10c; oz. 75c.

ROQUETTE. Leaves when young are used like mustard for salads. Pkt. 5c; oz. 25c; ¼ lb. 40c.

NO GARDEN IS COMPLETE WITHOUT A FEW HERBS.
VEGETABLE PLANTS

AROMATIC, MEDICINAL AND POT HERBS— Postpaid.

(Continued)

ROSEMARY (*Rosmarinus officinalis*) A hardy perennial, with fragrant odor and a warm bitter taste. The leaves are used for flavoring meats and soups, and for medicinal drinks. Plant erect, branching with small slender leaves and small light blue flowers. The blossoms form the principal ingredient in the distillation of toilet waters. Plants do not reach a size suitable for use until the second season. Pkt. 5; oz. 40c.

RUE (*Ruta graveolens*) A hardy perennial with a peculiar unpleasant smell. The leaves are bitter and so acrid as to blister the skin. It is a stimulant and antispasmodic but must be used with great caution, as its use sometimes results in serious injury. It must not be suffered to run to seed and does best on poor soil. Plant one and one-half to two feet high becoming woody at the base; leaves much divided; flowers yellow. Pkt. 10c; oz. 50c.

SAFFRON (*Carthamus tinctorius*) A hardy annual. Cultivated for its flowers which are used principally for coloring sometimes for flavoring and to make the cosmetic powder called rouge. The flowers should be picked while in full bloom. Plant upright in growth, one to three feet high; leaves ovate, prickly; flower-heads yellow, thistle-like. Pkt. 5c; oz. 30c.

SAGE (*Salvia officinalis*) One of the most extensively used herbs for seasoning. It is also believed to possess medicinal properties. Hardy perennial, about fifteen to eighteen inches high. Plant very branching; flowers usually blue,

sometimes pink or white; leaves grayish green oval wrinkled. Cut the leaves and tender shoots just as the plant is coming into flower and dry quickly in the shade. The plants will survive the winter and may be divided. If this is done they will give a second crop superior in quality. Pkt. 5c; oz. 50c.

SAVORY, SUMMER (*Satureia hortensis*). A hardy aromatic annual twelve to fifteen inches high the dried stems, leaves and flowers of which are extensively used for seasoning, especially in dressings and soups. Plant erect, branching; leaves small, narrow; flowers small, purple pink or white, borne in short spikes. Pkt. 5c; oz. 20c.

THYME (*Thymus vulgaris*) An aromatic perennial herb, eight to ten inches high, used principally for seasoning. Plant very branching with wiry foliage and small lilac flowers. Sometimes the leaves are used to make a tea for the purpose of relieving nervous headache. Sow as early as the ground will permit. Pkt. 5s; oz. 50c.

WORMWOOD (*Artemisia absinthium*) A perennial plant of fragrant spicy odor, but with intensely bitter taste. The leaves are used as a tonic, vermifuge and as a dressing for fresh bruises. Plant erect, two to three feet high with much divided leaves and loose clusters of small light yellow flowers. It may be raised from seed, propagating by cutting or dividing the roots. A dry, poor soil is best adapted to bring out the peculiar virtues of this plant. Pkt. 5c; oz. 40c.

GENERAL LIST OF FLOWER SEEDS

DWARF VARIETIES

All Prices of Flower Seeds are Postpaid

ABRONIA UMBELLETA. A handsome trailing plant with clusters of sweet-scented flowers, resembling verbenas in shape, but of smaller size; color rose lilac, with white eyes. Fine for baskets and vases as well as the garden. Remove the husks from the seed before sowing as it grows much surer. Height 6 inches. Half hardy annual. Pkt. 5c.

ACROCLINIUM (Everlasting). This beautiful everlasting flower somewhat resembles the Rodanthe, but the flower heads are of a larger size. It is largely used for winter bouquet, for which purpose the flowers should be cut before they are well expanded. Half hardy annual. Mixed, Pkt. 10c.

ADONIS AESTIVALIS. Plants with fine and graceful foliage and brilliant scarlet flowers, remaining in bloom a long time. Grows well in shade or under trees. Height 1 foot. Pkt. 10c.

ALONSOA MYRTIFOLIA. A attractive bedding plant with remarkably brilliant scarlet flowers, in bloom from July till frost. Removed into the house, they bloom well during the winter. Height 18 inches. Half hardy annual. Pkt. 10c.

ALYSSUM, SWEET. A favorite flower for bouquets, white, very fragrant and producing a succession of blooms through the summer and until after severe frosts. Always wanted when a bouquet is made. Height 1 foot. Hardy annual.

MARITIMUM. Pkt. 5c; oz. 25c

LITTLE GEM. Pkt. 5c; oz. 35c.

AQUILEGIA COERULEA. (True Rocky Mountain Columbine.) Colorado's emblematic flower. Needs to be seen to be appreciated. Color is a light blue, in very high altitudes nearly white. We are headquarters for this seed and furnish the true stock. Pkt. 10c.

OTHER VARIETIES OF AQUILEGIA. These new double sorts are very beautiful and embrace a variety of colors and forms. Height from one to three feet. Hardy perennial.

Mixed Colors Pkt. 10c.

Yellow Pkt. 10c.



ALYSSUM

ANTIRRHINUM. (Snapdragon.) One of the most desirable flowers in the catalog for its variety of color and succession of bloom, lasting from July till severe frosts. The plants should be covered with fine boughs or other light material, in November, and they usually survive and bloom finely the second year. Height 1 foot. Biennial.

Dwarf Mixed Colors. Pkt. 5c.

Tall, Mixed Colors. Pkt. 5c.

Queen of the North, White. Pkt. 5c.

CORAL. New variety growing $2\frac{1}{2}$ feet high and a profuse bloomer. Color, bright red and white throat. Pkt. 5c.

AGERATUM MEXICANUM. Flowers light blue or lavender, very desirable for bouquets, furnishing a continuous bloom through the summer. Plants flower well in house all winter, when potted in the fall before frost. Height 12 inches. Hardy annual. Pkt. 10c.



SNAPDRAGON

AGROSTEMMA CORONARIA. (Rose Champion.) Perfectly hardy plants, producing pretty pink-like blossoms, on long, slender stems. Very useful for cutting bouquets, and pretty in masses or in bed. About $1\frac{1}{2}$ feet high. Perennial. Fine mixed. Pkt. 5c.

AMARANTHUS. Valuable for its varieties of handsome foliage, whether grown in the conservatory or garden. The colors will be more brilliant if planted in moderately rich soil. Height 2 3 feet. Hardy annual.

Amaranthus tricolor. (Joseph's coat.) Pkt. 10c.

Amaranthus caudatus. (Love lies bleeding.) Pkt. 10c.

Amaranthus cruentus. (Princess feather.) Pkt. 10c.

ARMERIA MARITIMA. (Sea Pink.) These handsome plants are well adapted for ornamenting rock work and edging walks. Hardy perennial. Height 6 inches. Pkt. 5c.

ASPERULA ASUREA SETOSA. A flower finely adapted for bouquets by reason of its shape, size and delicate color—a light blue or lavender.

In bloom from July until after severe frosts. Height 9 inches. Hardy annual. Pkt. 5c.

ASTERS

Our mixed asters are well worthy of the name unrivaled. Our mixture has no rival. It is made up by ourselves of over twenty varieties of the finest asters grown for us by one of the greatest aster specialists in California.

No such superb collection has ever been offered by any seedsmen before. It contains the German, Boltze's Dwarf Bouquet, Mignon, Queen, Pryamidal Bouquet, Chrysanthemum Flowered, Victoria Crown, Perfection, German Quilled, Comet, Giant Comet, Lady, Queen of the Market, Victoria Needle, Washington, Imbricated Pompon, Jewel, Betteridge's Quilled, Cocardeau, Tall Chrysanthemum, and White Branching, each of them except the last being in assorted colors. Our unrivaled mixture will make a magnificent display, one that should be in every flower garden in the South. Pkt. 10c

GIANT BRANCHING. Beautiful asters for cut-flowers. Quite different in several respects from any other aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

White, Blue, Daybreak Pink, Indio, and Rose. Each of the above. Pkt. 10c.



ASTERS

ASPARAGUS. A very popular house plant, much used for hanging baskets. Perennial.

Sprengeri. Pkt. (12 seeds) 10c.

Plumosus Nanus. Pkt. (12 seeds) 15c.

BELL FLOWER. (See *Campanula*.)

BEGONIA. (Tuberous rooted.) The newer forms of Begonias are among the best brilliantly beautiful flowering lants. The plants will give an abundance of bloom the first year and at the end of the season they may be dried off by with holding water Plant the bulbs the following spring, when they will bloom more freely than ever.

Single Mixed Pkt. 20c.

Double Mixed. Pkt. 25c.

BACHELOR'S BUTTON. (See *Centaurea cyanus*.)

BALSAM. Intense cultivation and continuous selections have improved these flowers to such an extent that persons having the old common forms in mind, will hardly recognize the new selected sorts.

Require a rich, deep soil, good cultivation and plenty of space to grow to perfection.

Double White Alpha Perfecta. Pkt. 10c; oz. 60c.

Double Mixed. Pkt. 5c; oz. 35c.

BOX WOOD. (Evergreen *Buxus semperivirens*.) A small evergreen with pale green leaves. Can be trained in desired form by shearing, largely used for bordering flower beds. Hardy perennial. Pkt. 5c.

BOSTON IVY. (See *Ampelopsis*.)

CALLIOPSIS. A very showy border plant, producing flowers of bright scarlet and orange, crimson, red and brown. If seed pods are removed as fast as they appear the plants will remain in bloom much longer. Height 2 feet. Hardy annual. Mixed colors. Pkt. 10c.

CACALIA COCCINEA. (Tassel Flower.) A pretty annual with flowers of bright scarlet and orange, borne in clusters on slender stalks, about a foot in length. They keep in bloom from early summer until early autumn, furnishing flowers for cutting every day. Height 1 foot. Pkt. 5c.

CALCEOLARIA HYBRIDA GRANDIFLORA. A favorite and universally admired genus, remarkable for their large, beautifully spotted blossoms produced in almost countless variegations of markings. They are grown in pots in the conservatory, greenhouse and garden. Flowers of immense size, seed saved from finest specimens. Pkt. 25c.

CALENDULA OFFICINALIS. This splendid variety has has large flowers, beautifully imbricated resembling in size and from the finest aster. Each petal of plate straw color, is regularly marked with a stripe of bright deep orange. It blooms profusely with a succession of flowers from July until frost. It comes true from seed, and is one of the best annuals for a garden display. Height 18 inches. Pkt. 5c.

CANNA

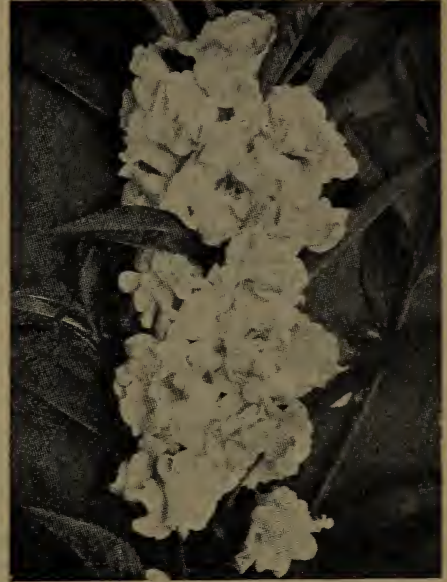
Stately plant with foliage of elegant growth, presenting a luxurious and tropical appearance, are much employed in ornamental planting; when planted in clumps of 4 to 5 contrasting colors, they are very effective. Height 3 feet. Tender perennial.

Mixed Colors. Pkt. 5c.

Madam Crozier varieties. Pkt. 10c.

CALIFORNIA POPPY. See *Eschscholtzia*.

CALLA AETHEOPICA. An old and very desirable plant, either an aquatic or for ornamentation of the drawing room and conservatory. Thrives in any light, rich soil where plentifully watered. Height 1 to 2 feet. Half hardy perennial. Pkt. 10c.



LARKSPUR



CALENDULA

CATCHFLY PLANT. (See *Silene*.)

CAMPANULA MEDIUM. (Bell Flower.) Campanulas embrace a great many beautiful popular perennials, like the Canterbury Bell, and also a number of annuals of great value for forming masses, as they are neat of habit, hardy and free bloomers. Height 1 foot. Hardy annual. Many varieties mixed. Pkt. 10c.

CANDYTUFT. (*Iberis coronaria*.) All of the colors of the Candytuft are desirable for bouquets, especially the white, for its form and fragrance and profusion of bloom. Height 1 foot. Hardy annual.

White Rocket. Pkt. 5c.

Many Colors mixed. Pkt. 5c.

CARNATIONS

This beautiful and well-known flower produces a finer bloom when grown from seed than when grown from cuttings taken from old plants. This seed will produce a fine variety of colors, with flowers good size and substance. Height 18 inches. Half hardy perennial

German. Mixed colors. Pkt. 10c.

Marguerite. Blooms in four months from time of planting. Pkt. 10c.

CASTOR BEANS. (*Ricinus*.) A luxuriant expansive foliage plant of tropical appearance, that should have a place in every garden affording the necessary space. The stalks of the plant of this variety are brownish red; the leaves are very large, palmate and strikingly elegant. Height 6 to 10 feet. Tender annual. Pkt. 5c.

The three prominent varieties are Ornamental, Common and Commercial $\frac{1}{4}$ lb. 25c.

**CARNATIONS**

CENTAUREA MOSCHATA. (Sweet Sultan.) A handsome annual with fragrant flowers borne on long, slender stems. Their fragrance and habit of growth adapt them finely for bouquets. In bloom from July until October. Height 2 feet. Pkt. 10c.

CYANUS. (Bachelor Button.) The "Kornblume" of the Germans. A showy annual, of easy culture, flowering freely with great variety of color, in a most common garden soil. Height 2 feet. Pkt. 5c.

**CENTAUREA**

CENTAUREA (Dusty Miller.) Magnificent foliage plants of silver white and gray foliage, indispensable for borders and edges. Half hardy perennial. Height 1 foot Pkt. 10c.

MARGUERITE. A sweet-scented Centaurea, about as large as a medium sized Carnation. It is a sport from Centaurea Odorata, and the plants are about 18 inches high. The flowers are beautifully lacinated and produced on long stems; their lasting quality after being cut is remarkable. The beauty of this easily cultivated annual is certain to excite admiration. Mixed colors. Pkt. 10c;

HUTH SEED COMPANY

THE OLDEST AND BEST SEED STORE IN THE SOUTH

CHRYSANTHEMUMS

(Early Annual.)

The glorious and showy autumn blooming Chrysanthemums, which are now so much admired and cultivated, have their relatives among the summer annuals which are easily raised from seed. The plants can be raised by sowing the seed early in the house or frame and planting them out when the weather is favorable, or the seeds can be sown in an open seed bed, or where the plants are to stand, provided the plants are thinned out to 8 to 12 inches apart. A little shade, or shade in the after part of the day, is desirable for them—a border on the east or northeast side of the house would be desirable. Pinch them back until July 15 to make them grow branching and full. Mixed colors. Pkt. 5c.

CHRYSANTHEMUM MAXIMUM. (Large or Oxeyed Daisy.) A large free blooming hardy perennial, 2 feet high, literally covered with pure white flowers, which are well adapted for cutting, lasting over a week in water. Pkt. 10c.

CHRYSANTHEMUM FRUTESCENS. (Marguerite or Paris Daisy.) This variety, under the name of Marguerite has attained great popularity among florists. The pretty star shaped white flowers are freely produced and the plant will grow under almost any circumstances. Perennial. Pkt. 10c.

PERENNIAL JAPANESE. For late autumn blooming in the house, after the frost has destroyed all the bright colors in the garden, there is no flower to take the place of this finely shaped, double-flower produced in profusion. Height 18 inches. Double, mixed colors. Pkt. 15c.

CHRYSANTHEMUM PLANTS. Four of each of the best Red, White and Yellow for 85 cents, postpaid.

CLEOME or SPIDER PLANT. Better known in the West as "Rocky Mountain Bee Plant." It is the emblem flower of the Colorado State Bee Keeper's Association. Has a very attractive flower in shades of pink and crimson, on tall branching plants. A splendid honey plant. Pkt. 5c.

CINERARIA HYBRIDA GRANDIFLORA. Very attractive, much admired green house plant. Height 1 to 2 feet. Pkt. 25c.

CINERARIA. (Maritima Candidissima.) White-leaved; used for bedding vases, etc. Height 1 foot. Pkt. 10c.

CLARKIA PUCHELLA. The Clarkia is highly esteemed in Europe, especially in England where it is as common as the Candytuft. The flowers are very pretty and of many colors, double and single. As the plant is apt to suffer in our hot dry summers, it is better to sow the seed in September and the plants will be large enough by spring to make a good bloom. Hardy annual. Height 1 1/4 inches. Pkt. 5c.

COSMOS. These are unquestionably very handsome flowers, and it is astonishing how very quickly they have become general favorites. Seeds sown in the open ground in the beginning of May will produce blooming plants in August, and then will continue to flower late in the fall. We offer the following colors: White, Pink, Crimson, Yellow and all colors mixed. Each, Pkt. 5c.

COLEUS. Probably there is no other kind of foliage plants so well known and universally admired as the Coleus. It is one of the most beautiful of our variegated perennial foliage plants for the green house or garden decorations, ribbon-beds, etc., of rapid growth and easy culture. Tender perennial. Height 1 to 2 feet. New Hybrid, mixed. Pkt. 25c.

COLUMBINE. (See Aquilegia.)

DWARF COCKSCOMB

(*Celosia cristata*.)

A highly ornamental plant, producing crested heads of flowers, somewhat resembling a cock's comb. There are many colors and shapes, but the scarlet and crimson ones are the most brilliant and rich. Height 1 to 2 feet.

Dwarf crimson. Pkt. 10c.

Feathered. Pkt. 10c.

Mixed. Pkt. 5c.

CELOSIA THOMPSONIA MAGNIFICA. Improved feathered Cockcombs, a recent introduction, and a most valuable one. Plants are of regular growth and produce spikes of flowers of the most harmonious color. Can be grown in pots as well as in the open. Mixed colors. Pkt. 10c.



DWARF COCKCOMB

COREOPSIS LANCEOLATA. Flowers large, single golden yellow. For generosity of bloom there is nothing to compare with it, and it will bear cutting far better than any other plant; at the same time it is always graceful. It can be sown freely from seed and does well when treated as an annual. Pkt. 10c.

CORN FLOWER ASTER. (See Stokesis.)

CYCLAMEN

Well known and universally admired, tuberous rooted plants producing exceedingly handsome red and white flowers. A tender perennial. One foot high.

Persicum. Mixed, of great beauty and many colors. Pkt. 15c.

Gigantem. Mixed, characterized by beautiful foliage and profuse bloom; each flower is from two to two and one-half inches long. Very choice. Pkt. 25c.

DAHLIAS

Dahlias are easy of cultivation; growing freely in most any kind of soil from seed in the spring. Height 4 to 5 feet. Half hardy. Perennial.

Dahlia. Finest Double, mixed. Pkt 10c.

Dahlia. Finest Single Mixed. Pkt. 10c.

For Dahlia Bulbs see page 83.

DAHLIA. Hornsveld's Giant Hybrids' Mixed. This new variety will be found one of our best cut flowers for summer use. It has magnificent long stemmed, single and semi-double flowers, of immense size and in a great variety of colors. It will bloom freely the first year from seed, but for best results, should be started in a box in the house in February and set outdoors when weather is warm. Pkt. 10c.



DAHLIA



Daisy.

DOUBLE DAISY. (*Bellis perennis*.)

Charming little plants for edging and borders. The flowers are quilled and flat petaled, white, red, pink and variegated. Not all will come double from the seed, and the single ones should be pulled out. Height 6 inches. Tender perennial.

Longfellow, pink; Snowball, white; Double, mixed; each, pkt. 10c.

SHASTA DAISIES. A wonderful evolution over the original form of the wild Daisy, brought about by the constant selection done by Luther Burbank.

Alaska, pure white; California, pale yellow; Westralia, cream yellow; each, pkt. 10c.

OXEYED DAISY. See *Chrysanthemum Maximum*.

PARIS DAISY. See *Chrysanthemum Fruitescens*.

DELPHINUM HYBRIDUM. (Perennial Larkspur.) A very attractive, hardy plant for corners of a yard, also center of flower beds. We furnish seeds of assorted colors. Single pkt. 10c. Double pkt. 15c.

DELPHINUM AJACIS. (Annual Larkspur.)

A fine variety of colors—shades of blue, red and others striped and mottled. The flowers are produced in spikes, which are continuously pushing out from the main stem and branches, furnishing abundance of bloom through the season. Height 2 feet.

Double Tall, mixed. Pkt. 5c.

Double Dwarf, mixed. Pkt. 5c.

DIGITALIS. (Foxglove.) Showy and useful flowers for the border, flowers borne in tall spikes, bell or thimble shaped of all colors: new plants may be obtained by dividing the roots. Height 2 feet. Hardy perennial. Mixed colors. Pkt. 10c.

EVERLASTING FLOWERS MIXED. All the popular everlastings. You cut them when in bloom, and they keep all winter.

Containing all the popular varieties of the "straw flower" class. All kinds mixed. Pkt. 10c.

ESCHSCHOLTZIA. (California Poppy.) A flower attractive in foliage, bud and blossom. One of the most attractive flowers grown. Plants procumbent, forming dense bushy masses, with a succession of flowers from June until after severe frosts. When grown with Dwarf Convolvulus contrasts finely with the dark blue. Height 1 foot. Hardy annual.

California. The original variety. Pkt. 10c.

Early Douglass.; Yellow with golden center. Pkt. 10c.

Mammoth Golden West. Large flowers of orange color shading to yellow at the edge. Pkt. 10c.

FOUR O'CLOCK. (See Marvel off Peru page 67.)



Fuchsia.

FUCHSIA. The varieties of Fuchsias are now numbered by hundreds and some are exceedingly beautiful. They are as easily grown from seeds as raised from cuttings, and from seed many improved varieties are obtained. Height 1 to 3 feet. Double and Single mixed. Pkt. 25c.

FEVERFEW. (*Matricaria capensis*) A free-flowering, half hardy perennial plant growing 18 inches in height. Seed sown early in the spring in the open ground will produce flowers by fall. The plant throws up numerous stems terminating in clusters of very double pure white flowers three quarters of an inch in diameter. These are desirable for cut flowers. Plants bloom freely when grown in a cool room. Pkt. 10c.

FLAX. Scarlet. (See Linum.)

FORGET-ME-NOT. (*Myosotis Alpestris.*) This beautiful little flower is too well known to require description or recommendation. The delicate blue flowers appear all summer. Height 6 inches. Hardy perennial. Pkt. 10c.

PLANT ENGLISH RYE GRASS FOR YOUR WINTER LAWN.



LARKSPUR

GILLARDIA. A showy annual, brownish red flowers, bordered with yellow and white, blooming strongly through the season, and until after heavy frosts. Height 18 inches. All colors mixed. Pkt. 10c.

GERANIUM. (*Pelargonium zonale*). Probably the Geranium is better known and more universally admired than any other plant known. The constant succession and durability of bloom till frost comes, the brilliancy of the scarlet and other colors, and the exquisite markings of the leaves of some of the varieties render them very desirable for pot culture or bedding. No garden seems complete without a bed of them, and in every collection of conservatory or parlor plants we are sure to find the Geranium. Propagation by seed is the only way to obtain new varieties. Height 1 to 2 feet. Half hardy perennial. Single and double mixed. Pkt. 15c.

Geranium Plants can be sent by mail. Each 15c; 2 for 25c. Postage extra 5c each.

GILIA. Colors azure and light blue, shaded with yellow and white. Their size, shape and delicate coloring make them useful for bouquets. In bloom from the first of July till after severe frosts have destroyed most of the other annuals. Height 18 inches. Hardy annual. Many colors mixed. Pkt. 5c.

GLOXINIA. Perennial greenhouse plants producing rich and beautifully colored flowers. They deserve extensive cultivation. Hybrids mixed. Pkt. 25c.

GOMPHRENA GLOBOSA. (*Globe Amaranth*.) An excellent everlasting or immortelle; flowers globe-shaped purple, orange and variegated. Retain their shape and color when dried; are also good for cutting as fresh flowers. Height 10 in. Tender annual. Mixed. Pkt. 5c.

GLYCINE SINENSIS. (See *Wisteria*.)

GYPSOPHILA. (*Baby's Breath*.) Small fragrant flowers, borne on long feathery stemss. No flower adds more of light and grace to a bouquet than this, and when once grown will be found indispensable. In bloom through the summer from the first of July until frost. Height 1 foot. Paniculata, pure white, perennial. Pkt. 10. Elegans, delicate pink, Pkt. 10c.

SUNFLOWER

PISTOLOSUS DOUBLE Globe .or Dahlia Sunflowers. An exceedingly double variety of this well known plant, adapted by its stately growth for a background to the lawn or a screen to hide unsightly places. It is also raised as an absorbent of miasma in damp or ill drained situations, thus preventing fevers. The flowers are quite attractive. Hardy annual. Saffron color. Pkt. 5c.

STELLA. Pure golden yellow with black disks. Pkt. 10c.

ORION. Same as above except petals are twisted like a cactus dahlia. Pkt. 10c;

MAMMOTH RUSSIAN. Pkt. 5c.

RED SUNFLOWER. Horticulturists have been trying for years to get a Red Sunflower. They have not quite succeeded, but have come very near it. We offer a flower the petals of which are red and tipped with yellow. This is a decided novelty and will please you. Pkt. 15c.

HELICHRYSUM MONSTROSUM. One of the best immortelles; good shape, size and variety of desirable colors—yellow, sulphur, cream, white, pink, rose, red and crimson. Retain their natural shape very perfectly when dried. In bloom from July until destroyed by frosts. Height 18 inches. Hardy annual. Many varieties mixed. Pkt. 10c.

HELIOTROPE. A well known popular green house plant, fine for bedding, vases or baskets and exquisite for pot culture in winter. Flowers purple, borne in clusters and exceedingly fragrant. Height 1 foot. Mixed Colors. Pkt. 10c.

ALWAYS FEEL FREE TO WRITE FOR INFORMATION



Geranium.

HIBISCUS AFRICANUS. A showy hardy annual, cream color with rich brown center. Height 2 feet. Pkt. 10c.

HOLLYHOCKS

(*Anthea Rosea*.)

A great variety of brilliant colors, combining richness and delicacy in a remarkable degree; flowers large and densely double, remaining in bloom for a long time. It is one of the best and most ornamental of the perennials. Height 5 feet. Separate colors, double white, pink, maroon, each. Pkt. 10c. Finest prize mixture of double varieties. Pkt. 10c.

HOLLYHOCK ALLEGHENY. This is a species that will bloom the first year if started in the house in March and transplanted in May. The petals are fringed and the flowers of different colors. Pkt. 10c.

HOLLYHOCK ANNUAL. Will bloom in August or beginning of September if sown in April. Flowers are single, semidouble and double. Mixed colors. Pkt. 10c.

IPOMOEA QUAMOCUIT. See Cypress Vine.

IPOMOEA MEXICANA. See Moonflower.

INSECT POWDER PLANT. See Pyrethrum.

ICE PLANT. *Mesembryanthemum crystallinum.* Dwarf plant of procumbent or trailing habit, finely adapted for vases, rock work, etc. The surface of the foliage is covered with panicles, resembling crystals of ice glistening in the sun, forming a curious and attractive display. Height 6 inches. Tender annual. Pkt. 10c.

JOB'S TEAR. (*Coix Lachrymae.*) Curious ornamental grass from East India with corn like leaves and seeds of light slate color, wonderfully lustrous. Valuable for the formation of bouquets, in connection with everlasting flowers and strings of handsome beads are formed from the seeds. Height 3 feet. Hardy annual. Pkt. 10c.

KOCHIA TRICHOPHILA. (Also called Mexican Burning Bush or Summer Cypress.) This we consider one of the most ornamental border or hedge plants that has ever been brought out and it is sure to attract attention. The plants branch freely, and the stems are clothed with slender light green leaves. Early in the fall the ends of the shoots are thickly set with small bright scarlet flowers, the bushy plants resembling balls of fire. The plants are equally showy planted singly to show the round, ball-like forms on all sides or grown in continuous rows. Pkt. 10c.

LANTANA. Rapid growing plants; the flowers are borne in Verbena-like heads embracing every shade of pink, purple, orange and white. Half hardy perennial. Height 3 feet. Pkt. 10c.

LARKSPUR. (See Delphinium.)

LINUM GRANDIFLORUM RUBRUM. (Scarlet Flax.) Distinguished for the brilliant colored flowers, which are deep crimson with black centers, saucer shaped, and very conspicuous in bed or border. The foliage of the plant is slender and delicate, and the flowers produce very little seed. Height 1½ feet. Hardy annual. Pkt. 5c.

LOBELIA. An elegant and useful class of dwarf plants, compact growth, bearing a profusion of delicate flowers. In bloom during summer and autumn. Makes a neat and effective border for geranium beds and beds of ornamental plants; pretty for baskets, vases and piazza decoration. Height 6 inches. Half hardy annual. Blue Crystal Palace. Pkt. 10c.

LOVE IN A MIST. (See *Nigella*.)

MARVEL OF PERU. (*Mariabilis jalapa* or Four O'Clock.) A handsome plant for making an attractive display of its many colored flowers from the middle of July until frost. The blossoms are marbled and spotted in the most diversified manner, the same plant producing different colors; some branches will grow flowers of a single color only, while others will have striped or partly colored. The leading colors are red, white and yellow, with stripes and variegations of all three. Height 2 feet. Hardy annual. Pkt. 5c.



Hibiscus Africanus



Marigold.

MARIGOLD (*Tagetes patula nana.*)

A showy plant of compact symmetrical growth, handsome foliage and a profusion of flowers of brilliant colors of yellow and finely variegated and striped with dark rich colors of maroon and brown. Flowers of this variety are about 1 inch in diameter, full double to the center and cover the plant profusely. Height 1 foot. Half hardy annual.

Dwarf Double, French. Pkt. 5c.

Dwarf Double, African. (*Tagetes erecta nana.*) Pkt. 5c.

MESENBRIANTHEMUM. See Ice Plant.

MEXICAN BURNING BUSH. See Kochia.

MORNING GLORY. (See *Convolvulus*.)

MIGNONETTE. (*Reseda odorata.*)

SWEET GRANDIFLORA. Very fragrant, large flowering. Pkt. 5c; oz. 25c.

GOLDEN QUEEN. Of golden yellow color. Pkt. 10c; oz. 40c.

GIANT MATCHETT is the popular strain used by florists. Pkt. 10c; oz. 40c.

MIMOSA PUDICA. (Sensitive Plant.) A curious plant manifesting sensations to the touch of any object that jars or stings the leaves or branches, stalks immediately drooping or folding together, as if possessed with life and an over supply of nerves, affording a source of amusement for the little and large folks. Height 1 foot. Tender annual. Pkt. 10c.



Mignonette.

MIMULUS. These flowers are remarkable for their rich and beautiful markings and spots; well adapted for vases, pots and baskets, and also open culture in the garden. Height 1 foot. Hardy perennial. *Moschatus.* Musk plant. Pkt. 10c. *Tigrinus.* Monkey flower. Pkt. 10c.

MOSS ROSE. (See *Portulaca.*)

MOURNING BRIDE. (See *Scabiosa.*)

HYOSOTIS. (See *Forget-Me-Not.*)

NEMOPHILA. This popular plant is to be found in almost every garden, and has secured a place in the heart of every lover of flowers. Of dwarf, spreading habit, is well adapted to border or pot culture. The flowers are exquisitely colored, blotched and spotted; they are quite apt to sport an endless variety of shades from black and blue to lighter colors. Height 6 inches. Hardy annual. Mixed colors. Pkt. 5c.

NICOTIANA AFFINIS. A handsome genius of garden plants of the tobacco family, which are noted for freedom and fragrance of their bloom. Half hardy annual, 3 feet high. The flowers are white, silver, shaped, and have long tubular corollas. Deserve a place in every garden. Pkt. 10c.

NICOTIANA SANDERAE. Introduced a few years ago by one of the leading horticultural firms of England, this remarkable novelty has in an incredibly short time won the admiration of the public, both in America and Europe. The shape of the flower resembles that of the *Nicotina Affinis*, but the flower tube is short and stout. The greatest beauty of it all is the brilliancy of its carmine-red flowers which are produced in the greatest profusion from early May till the close of autumn. The fragrance is not so pronounced as that of the *Nicotiana Affinis* but is deliciously sweet. Plant early in spring, same as other hardy plants, and transplant to open ground 2 feet apart when weather is suitable. Pkt. 10c.

NIGELLA DAMASCENA. (*Love in a Mist*.) A showy annual with finely cut foliage and curiously formed flowers of light blue color. The form and color make them very desirable for bouquets. Height 1 foot. Mixed Colors. Pkt 5c.



Nasturtium.

DWARF VARIETIES (*Tropaeolum minor*.) Sometimes called Tom-Thumb sorts. The flowers are brilliant and attractive. The plants are evenly dwarf and are often used for a border. When about two inches high, thin so as to give each plant about one foot of room. Hardy annual; and are very desirable for borders along walks, paths, etc. They are in constant bloom. Grow about a foot high. Mixed. All colors. Pkt. 5c; oz. 15c.

OXALIS. Very attractive and beautiful plants, with richly colored flowers, suitable for rock and rustic baskets. Half hardy perennial. Height 6 inches. Mixed varieties. Pkt. 10c.

ORNAMENTAL GRASSES. Ornamental grasses are very useful for cutting, when fresh, for summer bouquets, and also dry well for working with everlasting flowers for winter bouquets. This assortment includes the most delicate and graceful varieties.

Gynerium argenteum (Pampa Grass), forms elegant plumes of striking appearance. Pkt. 5c.

Lagurus Ovata (Hare's Tail), very pretty in bouquets. Pkt. 10c.

***Stipa pennata** (Feather Grass). Pkt. 10c.

Those varieties which are marked with asterisks (*) are perennial.

NASTURTIIUM

Few plants are more easily grown or remain longer in bloom than the *Tropaeolum*, with its large shield-shaped leaves and beautifully irregular flowers having long spurs and brilliantly colored petals. In favorable soil flowers are produced in abundance throughout the season. Much used for window boxes. If the black aphid appears spray the foliage vigorously with water.

Seed is usually sown outdoors, as soon as the weather is warm and settled, in the row where the plants are to remain. Well pulverized soil, preferably well drained and moderately rich, should be used and the seed covered with about one inch of fine soil firmly pressed down. A sunny situation is essential for free blooming. If the soil is very rich the plants give a large amount of foliage but few flowers. For earlier blooming, start indoors and transplant to the open ground after danger of frost is over.

TALL VARIETIES. (*Tropaeolum majus*.) This well known annual is the best for trellis and arbor decoration; flowers of a great variety of rich colors striped and spotted with different shades. Is excellent for vases and baskets; also does finely when grown in beds without trellis support; produces an abundance of flowers from the first of July until frost. Height 6 to 10 feet. Mixed, all colors. Pkt. 5c; oz. 15c.



Pampa Grass

PANSIES

(*Vicia tricolor maxima*.)

With the exception of the Rose there is no plant which enjoys such universal popularity as does the Pansy. It has a larger range of color than most plants and is a favorite with all. It is a hardy biennial, blooming continuously from spring until fall and if slightly covered will blossom the second year. It is better, however, to renew each year as the flowers the second year are never as fine as the first year. It is very easy to cultivate and no garden, however small, should be without a Pansy bed.

GIANT PRIZE PANSIES. The imposing five-spotted flowers are from $2\frac{1}{2}$ to 3 inches in diameter, perfectly round in form and borne on long graceful stems, a decided advantage over the old short stemmed sorts. The plants are of compact form, building perfectly round bushes, with strikingly pretty foliage. The beauty of these plants is in their being covered over with flowers of brilliant and rich colors, cannot be surpassed by any other dwarf growing annual. Pkt. 15c.

CASSIER'S NEW GIANT ODIER. Extra large flowers of the showy and popular Odier type, being all three or five spotted on back grounds of rich glowing colors in many distinct shades. Pkt. 15c.

BUGNOT'S VERY LARGE STRAIN MIXED. An extra large five blotched race; plants vigorous, with short stalks, bearing well above the foliage, immense flowers of fine form and substances. Extra fine. Pkt. 15c.

GERMAN IMPERIAL MIXTURE. While the giant flowered are great favorites, they do not carry all shades and colors which are found in our German mixtures. This is the florists' popular strain. Mixed. A fine assortment. Pkt. 10c.

Good Mixed. Consisting of many popular colors of ordinary strains. Pkt. 5c; oz. 75c.

TRIMARDEAU. (Giant Pansies.) White, with dark centers. Black, King of the Blacks. Yellow, a beautiful clear color. Blue, azure blue. Purple, deep royal purple. Bronze, a fine golden bronze. Mixed, many colors. Each of the above 10c per pkt., the whole collection of seven for 50 cents.

SWEET SCENTED. This lovely new class is the result of a hybridization of the Pansy and the Sweet Violet, retaining the delightful perfume with Pansy bloom 2 inches in diameter, of good substance and in many colors. They include pure white, yellow, black, maroon, orange and lavender, also striped, blotched, etc. Pkt. 10c.

ORCHID-FLOWERED PANSY. Here is a unique type of pansy among the giant flowered class. The upper petals are upright and plaited resembling orchids. The colors are terra cotta, flesh, orange, rose pink and lilac. The color combinations are unique and different from others. All pansy growers should try a packet of these as we are sure they will be delighted with them. Pkt. 15c.

PASSION FLOWER. (See page 69.)

PETUNIAS. (See page 69.)

SMALL ORDERS—WE LIKE THEM

A seed order for 10 cents worth is not too small to be sent to us. All orders, large and small, are welcome at Huth's. We are glad to have your order, no matter how small, and the better results you will always get in your garden, always make it worth while to send to Huth's for the seed. Please don't think that a 10 to 50 cents order is too small to send to us. We fill tens of thousands of these small orders every year. They are always welcome and receive the same careful treatment and handling that larger ones do. Send your order in now.

See Pages 80 to 82 for Roses, Ferns and Plants.

USE SLUG SHOT FOR INSECTS ON FLOWER PLANTS



Pansy.



Petunias.

PETUNIA

Petunias are unsurpassed for massing in beds. They are also used along walks and driveways and are often grown in window boxes. Their richness of color, duration of bloom and easy culture will always make them popular. They endure drought exceptionally well. The seed we offer is the result of careful hybridization and can be depended upon to give as large a proportion of double flowers as any.

In some strains the flowers are very large, measuring four to five inches across; in others, they are deeply fringed; still others have star-like markings radiating from the throat and extending nearly or quite to the outer margin of the blossom; again, others have full, double flowers. The colors range from white to deep red-purple and are variously striped and blotched.

Plant the seed, which is exceedingly fine, in a warm, open, sunny place. Seeds may be sown directly in the open ground; or for early results the plant may be started in cold-frame, hotbed or in pots in doors in a temperature averaging sixty to seventy degrees, Water with a fine spray and do not permit the seed

lings to dry out. The plants are tender and should not be trusted in the open until danger of frost is over. Any good, friable garden soil, well pulverized and in good condition may be used and the seed covered with about one-eighth to one-fourth inch of fine soil firmly pressed down. The rows should be two feet apart. Thin to eighteen inches apart. The plants begin to bloom when small and continue until cut off by frost. Tender perennial, blooming the first year; about one and one-half feet high

GIANTS OF CALIFORNIA. Produce immense large blossoms. Pkt. 15c.

Single mixed, pkt. 5c.

Striped and blotched, single, mixed. Pkt. 5c.

Double mixed, saved from the choicest double flowers only. Pkt. 25c.



Phlox.

PHLOX DRUMMONDI.

No flower excels this in all the qualities that make it a popular annual. The flowers are brilliant and of varied colors; it blooms profusely and continuously; is one of the last to succumb to the frosts of late October, and is excellent for bouquets. Taking everything into consideration, it should certainly be placed in the light of the half dozen best flowers for garden decoration. Height 18 inches. Mixed. Pkt. 5c; oz. 1.25.

PHLOX DRUMMONDI GRANDIFLORA. (Extra large flowering.) Pkt. 10.

Alba, white. Pkt. 10c; oz. \$1.50.

Star of Quedlinburg. Star-shaped flowers. Pkt. 10c.

Mixed. Pkt. 10c; oz. 1.25.

PHLOX DECUSSATA

Perennial Phlox. Pkt. 10c.

PHLOX PLANTS.

Drummondii mixed from January to March. 25c per dozen.

Send Order Now

Don't wait like so your garden with inferior seed from boxes in the stores. It pays to buy seed early and have them on hand ready for planting time.

PINKS. (*Dianthus*)

Splendid large flowers of the most brilliant colors and markings; constantly in bloom from July until after severe frosts, the first and also the second year. No flower exceed the genius for a brilliant show of colors through the summer. Height 1 foot.

CHINESE (double China), mixed. Pkt. 5c; $\frac{1}{4}$ oz. 20c; oz. 75c.

LECINIATUS (double Imperial), mixed. Pkt. 5c; oz. 75c.

IMPERIALIS (double fringed), mixed. Pkt. 5c; $\frac{1}{4}$ oz. 20c; oz. 75c.

HEDDEWIGII (single), mixed. pkt. 5c. Oz. 75c;

HEDDEWIGII (double Hedde-
wigii), mixed. Pkt. 5c; oz. \$1.00.

ALBUS FLORE PLENO (double
white. Pkt. 5c.

DIANTHUS PLUMARIUS (per-
petual), June Pink, Clove or Grass Pink, hardy
and fine for old-fashioned gardens. Pkt. 5c.

POPPY. (*Papaver*.) A well known flower of great profusion. Single and double mixed, a grand collection of annual varieties. Pkt. 5c.

FAIRY POPPIES. The flowers are perfectly double, of large size and magnificent form. In colors the grand large flowers are pure white, glowing scarlet, light lilac, scarlet with white and black, rose and deep maroon. Double mixed. Pkt. 5c.

THE SHIRLEY POPPIES. (*Papaver Rhæas*.) They are similar in every way to the wild scarlet Field Poppy of England and the continent, but the range of colors is so varied that scarcely two will be found alike. Pkt. 5c.

ORIENTAL HYBRID POPPIES. (*Papaver Orientale*.) For brilliancy of coloring there is nothing to equal these Oriental Poppies. The flowers are of enormous size, often measuring over six inches in diameter, while the colors range from soft flesh and rose to the most brilliant, dazzling scarlet, and richest maroon purple. Their culture is simple as that of the common garden poppy. One of their most valuable properties is that they are perfectly hardy perennials, increasing in size and beauty from year to year. Pkt. 10c.

ICELAND POPPIES. (*Papaver Nudicaule*.) The delicate, fragrant flowers are exceedingly beautiful, and with their long stems are suitable for cutting. The plants are perfectly hardy, easily cultivated, and the lovely flowers are in bloom from early summer until fall. Hardy perennial, blooming the first year from seed. Pkt. 5c.

PORTULACA GRANDIFLORA. (*Moss Rose*.) There are scarcely any flowers in cultivation that make such a dazzling display of beauty as a bed of many-hued, brilliant-colored Portulacas. They are in full bloom from about the first of July till killed by frost in the autumn. Plant in open ground after it has become warm in light soil and in a dry situation. After the plant appears withhold water, and if the plants have full exposure to the sun the ground will be covered with the plants and the effect will be beautiful. Tender annual. Height 9 inches.

Double Rose. Mixed. Pkt. 15c.

Single. All colors mixed. Pkt. 10c.

PRIMROSE. (*Primula*.) These are perhaps the most desirable of all house plants. They are in almost constant bloom all winter, and if the plants be transferred to the border they will bloom nearly all summer. Though perennial, few plants flower more continually and seed should be sown every year. Give them a long time for growth before flowering, and do not force the young plants, but simply protect them from frost and damp and cutting winds. Height 9 inches.

Obconica. Pkt. 10c.

Sinensis, mixed. Pkt. 20c.



Hardy Garden Pinks

STIM-U-PLANT is the most modern, efficient and scientific method of fertilizing growing plants.

A **STIM-U-PLANT** Tablet put under each growing plant every ten days means success. See page 107.

PYRETHRUM. (Insect Powder Plant.) Practical entomologists have long been looking for some effective, safe and cheap insecticide, and now tell us they have found it in the Persian insect powder. This is the dried and powdered flowers of the Pyrethrum Roseum, and it is certain death to plant lice, flies, cabbage worms and nearly every form of insect life. It is harmless to man, but when diluted with ten times its bulk of flour kills every cabbage worm or other insect it touches. Height 1 foot.

Pyrethrum Roseum. Pkt. 10c.

Pyrethrum Aureum. This is the beautiful bedding plant with golden leaves called "Golden Feather." Pkt. 10c.

RAGGED SAILOR. (See *Centaurea Cyanus*.)

RESEDA ODORATA. (See *Mignonette*.)

RICINUS. (See *Castor Beans*.)

NEW DWARF ROSE. (*Rosa Polyantha Multiflora*.) Height 20 inches. This variety comes to us from France. The rose commences blooming when about eight inches high; like annuals, they germinate, flower and produce seed within the first year. Their bloom is continuous throughout the summer, but is naturally more abundant the second season. The flowers are single, semi-double and double in almost equal proportions and present most all the variations found in other roses. A young plant raised from seed sown expands its first flowers in 3 months. Pkt. 15c.

SALPIGLOSSIS. A beautiful annual that deserves to be more widely known; when once grown in the garden, will be one of the first to be chosen for the next year. Flowers of the richest colors, blue, crimson, yellow, purple, scarlet, etc., with texture like rich velvet, each petal beautifully penciled. Splendid for bouquets. Height 2 feet. Mixed colors. Pkt. 10c.

SCABIOSA ATROPURPUREA. (*Mourning Bride*.) One of the best flowers for bouquets; plants of dwarf habit and compact, the flowers borne upon long, wiry stems. A great variety of colors from white to very dark purple—almost black. In bloom from August till after severe frosts. Height 18 inches. Tender perennial. Mixed colors. Pkt. 10c.



Salvia.

SALVIA SPLENDENS. (*Scarlet Sage*.)

Flowering Sage, is a very ornamental plant, flowering in spikes and continues in bloom until frost in the open ground, when the plant can be removed to the greenhouse and will continue in bloom a long time. This variety is of the dwarf habit, and the spikes of flowers are not so large as some of the greenhouse sorts. Height 1½ feet. Tender annual. Pkt. 10c.

SALVIA SPLENDENS PLANTS. (See Page 83.)

SCHIZANTHUS. This annual should be more widely cultivated. Flowers different shades of blue, curiously cut and delicately spotted, laced with crimson, white and yellow, etc. Adapted for garden and indoor culture. Excellent for bouquets. Height 18 inches. Mixed colors. Pkt. 10c.

SENSITIVE PLANT. (See *Mimosa Pudica*.)

SILENE ARMERIA. (*Catchfly Plant*.) A showy, free-flowering plant with bright, dense heads of flowers growing well in common garden soil. Adapted for border, circular beds and ribbons. Height 18 inches. Hardy annual. Pkt. 5c.

STOKESIA CYANEA. (*Corn Flower Aster*.) This is one of the most charming and beautiful native hardy plants. The plant grows from 18 to 20 inches high bearing freely from early July until frost, its handsome lavender-blue *Centaurea* like blossoms measuring from four to five inches across. We do not hesitate to state that *Stokesia* is one of the most valuable and desirable hardy plants offered. Pkt. 10c.

SUMMER FLOWERING BULBS.

Order a few *Gladiolas*, *Tuberosas* or *Caladiums* and you'll not regret it. See page 79 for Fall Bulbs and if you have not received our latest Catalogue please write for same, set out a few *Hyacinths*, *Narcissus* and *Tulips*.

STIM-U-PLANT Tablets cost but a fraction of a cent each—with them you can feed each plant as it needs it. See page 107.

SWEET PEAS

CULTURE. The Sweet Pea is quite hardy, and may be sown in the Southwest as early as September. To secure a strong growth and the longest season of bloom, the plants should root deeply, and this is aided by planting early and digging the trenches or seed beds five or six inches deep. Farmogerm is the best fertilizer for Sweet Peas. You will find this listed on page 95, 96. Sow the seed rather thickly in the trench and cover with two to three inches of soil, hoeing in the balance of the soil when the vines are well started in growth. Thin out the plants to two or three inches apart.

When the young plants are two or three inches in height, they should be furnished with stout brush on which to climb, or stakes may be driven in the rows and twine run from stake to stake to furnish a support for the vines. In wet seasons the earth should be drawn up slightly ridged along the row to drain away the surplus moisture, while in a dry season the surface of the soil should be frequently worked to keep it loose and fine, or else should be well mulched with hay or straw to keep the soil cool and preserve the moisture. Gather the flowers before they fade, as allowing them to produce seed will greatly shorten the season of flowering.

Sweet Peas Up To Date. By Hutchins. A complete treatise on Sweet Pea culture. 10 cents postpaid.

SPECIAL SPENCER VARIETIES

KING EDWARD SPENCER. Very large dark red flowers of the genuine Spencer type. Very fine.

AURORA SPENCER. Flower a cream white beautifully flaked and mottled with rich orange crimson. A very pleasing effect.

ELFRIDA PEARSON. A every large light pink on white ground, beautifully edged and shaded. Plants sturdy and very vigorous. A most useful pink Spencer for decoration and exhibition.

HELEN LEWIS. A rich crimson-salmon-pink. Large, fine Spencer form.

WHITE SPENCER. Standard and wings of pure white, beautifully waved and fluted. An especially attractive variety of very large size. Seed white.

KING MANOEL. A large deep maroon of exceptional merit.

MARGARET ATLEE. Rich glowing pink on cream ground. The flowers are of largest size, beautifully frilled or waved and freely produced in "fours" on long strong stems. Many of the flowers are duplex or double.

ROSABELLE. A very rich bright rose with a faint tinge of purple. Flowers beautifully waved or fluted and of extra large size.

FLORA NORTON SPENCER.—Bright blue, with a slight tint of purple waved. A charming color.

MASTERPIECE.

Clear lavender self, waved. Slightly flushed rose on standard. Similar to Mrs. Chas. Foster and Asta Ohn. Prices of any of the above, 10c per pkt., 40c per oz. \$1.40 per $\frac{1}{4}$ lb.

SPECIAL MIXTURE OF SPENCER VARIETIES We are offering this excellent mix for the benefit of those who would like to plant some of these magnificent Spencers, but do not care for separate colors. This mixture is composed of the best and most popular, Spencers and will certainly give satisfaction. Pkt. 10c; oz. 35c. $\frac{1}{4}$ lb. \$1.25.

SPENCER DOUBLE VARIETIES. It has been a difficult task to change the habit of the Sweet Pea by hybridization and selection to the double form, and much remains to be done. The result at best is really a semi-double flower. The best varieties we have will not produce more than half the doubles, others remaining of the usual single type. We furnish them mixed. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75.



Sweet Peas

Inoculate this
Seed with
FARMOGERM

TEXAS BLUE BONNET (Lupine) (perennis). Plants are 12 inches high, rather stout, minutely pubescent, leaves long petioled, soft downy and while the flowers are mostly blue they sometime vary to white.

Plant the seed in early spring as the plants are early bloomers and the flowers remain through June and July. They will grow in poor soil and the plant is a great help to the Sheep and Goat raisers of Texas due to the fact that they grow on the hills as well as on the planes making a early feed for grazing. The flower is beautiful and ideal for bouquets. Pkt. 10c; oz. 50c.

SUNFLOWERS. (See *Helianthus*.)

SWAN RIVER DAISY. (See *Brachycome*.)

SWEET SULTAN. (See *Centaurea Moschata*.)

SWEET WILLIAMS

The improved varieties of this popular flower are very beautiful, and should find a place in every garden. A great variety of rich flowers, eyed and variegated with other shades forming large trusses of blossoms, remaining a long time in bloom. A bed of Sweet Williams is very attractive the last of June and the first of July, a time when but few other flowers are in bloom. Hardy perennial. Height 18 inches.

Single Mixed. Pkt. 10c.

Double Mixed. Pkt. 10c.

TEN WEEKS STOCKS. (*Cherianthus* *Matthiola*.)

Cut and Come Again. Plants grow about one foot high, making a compact bush covered with splendid spikes; in bloom from July till frost. This seed is of our own importation from the most celebrated German growers of these flowers, saved only from the selected pot plants, and will produce the largest proportion possible of large double flowers, in the most brilliant colors and varieties. Half hardy annual. Height 1 foot

Dwarf German Double. Mixed colors. Pkt. 10c; $\frac{1}{4}$ oz. 75c.

Single. Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 60c.

TASSEL FLOWER. (See *Cacalia*.)



Sweet Williams.

VERBENA

The most popular bedding plant grown from seed. The fine varieties of colors with stripes and markings of different shades, profuse and long continued bloom, and excellent for bouquets, making them one of the most desirable annuals in the catalog for general culture. Grown from the seeds, the plants will bloom more profusely than those produced from cuttings.

Mammoth Verbenas. In the following colors: White, pink, purple, blue, scarlet, each. Pkt. 10c.

Mixed Colors. Pkt. 10c.



Verbena.

MAMMOTH VERBENA PLANTS. Next to the Geranium the Verbena is the most popular and useful of bedding plants. The collection we offer is as fine a collection as could be found on this continent, containing the most brilliant colors and some right fragrant varieties. In order to keep the plants in the best blooming condition, cut all faded flowers off, and even a severe trimming or clipping tends only to strengthen the plants and keep them in better shape for late flowering. With proper care your Verbenas may be kept in blossom long after other flowers have gone. The demand we had the past season for this popular flower was enormous. Red, white, purple and pink. Price per dozen. Mixed colors 50c postpaid per dozen.

VIOLET. (*Viola Odorata*.) The violet should not be wanting in any garden on account of its fragrance and early appearance. A single flower will perfume the whole room. Succeeds best in a shady place, and can easily be increased by dividing the roots. The violet is an emblem of faithfulness. Hardy perennial. Height 4 inches. Pkt. 10c.

VIOLET PLANTS. A few plants of this modest but popular favorite should be in every lawn. **CALIFORNIA.** Single flowers of deepest blue or purple are borne on stems 8 to 12 inches long. Large quantities of this variety are grown for cut-flowers. Splendid for bouquets. dozen 25c.

VINCA. If seed is sown early the plants will bloom the first summer. They can be taken up in the fall and kept in the house throughout the winter. White pkt. 10c; Pink pkt. 10c; Mixed colors pkt. 5c.

WILD GARDEN FLOWER. A Mixture of all kinds of Flower Seeds. Anyone who has planted and cultivated flowers in neatly laid out beds and borders is aware of the labor and constant care and attention required to produce the desired effect. To those who cannot give it this care, "The Wild Flower Garden" presents a substitute which for its unusual and varied cheapness, and the small amount of labor necessary for its construction, has no equal. The seeds we offer for the "Wild Flower Garden" are a mixture of over 150 different varieties, and being mixed, can be offered at a much cheaper price than when sold in separate packages. No one not having such a bed can form an idea of its beauty, the different seasons of bloom insuring something new almost every day. Large pkt. 10c; $\frac{1}{4}$ oz. 15c; $\frac{1}{2}$ oz. 25c.

WALL FLOWER. (*Cherianthus Cherri*.)

The massive spikes of the Wall Flower are very conspicuous in beds and borders, and are very useful in making bouquets. They are deliciously fragrant, perfectly double and combine many shades of color—the orange, purple and chocolate predominating. Height 18 inches. Tender perennial.

Dougie, mixed. Pkt. 10c.

Single, mixed. Pkt. 10c.

WHITLAVA GRANDIFLORA. An elegant annual with delicate foliage and a drooping cluster of rich dark blue and white bell-shaped flowers. Is fine for baskets and vases, and for plaza decoration is one of the best, flourishing well in partly shaded situation. Height 1 foot. Pkt. 5c.

XERANTHEMUM. A popular flower of the immortelle class, blooming freely in common soil. Plant is of compact habit with flowers borne on long stems. Colors: White, purple, yellow and light blue. Hardy annual. Mixed. Pkt. 5c.



Zinnias

ZINNIA (Youth and Old Age)

Hardy Annual

Zinnias begin to bloom early in the summer and continue profusely until frost, requiring no attention and succeeding almost anywhere.

Very few flowers have such a long period of popularity as has this old-fashioned Zinnia.

NEW ZEBRA. Striped like the animals of distant lands, the name of which it has.

Large, full flowers; petals twisted, curried and crested in the most fantastic manner. All colors mixed.

Pkt. 10c.

NEW MINIATURE ZINNIA. The most dainty and ornamental miniature Zinnia in existence. It is of truly Lilliputian growth, the plants growing from 3 to 4 inches in height only. At the same time these pretty little plants display a perfection in leaves, flowers and growth generally, not often met with in this class of the Zinnia.

The mixture which we offer to our customers this year contains all the popular colors that can be found amongst the tall Zinnias, and the profusion of the blossoms make it an exceedingly showy variety in every garden. Pkg. 10c.

STIM-U-PLANT Tablets contain 11 per cent of nitrogen; 12 per cent phosphoric acid and 15 per cent of potash. See page 107.

ZINIA

ZINNIA. Sometimes called Youth and Old Age. The well known bush-like plants of Zinnias produce a profusion of large double imbricated flowers, borne on stiff stems. They are much used or bedding and are suitable for borders and for cutting.

There is much satisfaction in a bed of Zinnias with their twisted and recurved petalled flowers in many bright colors, and when nearly every other flower has been killed by frost this plant is still in full bloom. Few flowers are more easily grown or bloom more abundantly throughout the season, and the wide range of color is not less remarkable than their unusual depth and richness.

Sow the seed early in spring, in open ground in good rich soil, preferably in rows one and one-half feet apart and covering about one-fourth inch deep. When the young plants are one to two inches high thin to six inches apart. Start under glass for earlier blooming. Half hardy annual; tall growing, usually about one and one-half to two feet high.



The wonderful zinnias sometimes grow rather tall. In the picture above, the property of Mrs. T. C. Thames, 106 Webb St., this city, you will notice some over six feet high

NEW GIANT FLOWERED. An

improved strain which produces immense double flowers 3 to 4 inches in diameter in an extremely wide range of colors. The plants are hardy, of very vigorous growth, often 3 feet high, and remain in bloom from early summer until killed by severe frost.

Crimson -----Pkt. 10c
Golden Yellow " 10c
Orange ----- " 10c
Pink (Several

Shades) ---- " 10c

Purple (Several

Shades ----- " 10c

Scarlet ----- " 10c

White ----- " 10c

Mixed—A choice mixture of the above shades and colors. Oz.

\$1.00; Pkt. 10c.



CLIMBING VARIETIES OF FLOWER SEEDS

All Prices of Flower Seeds are Postpaid.

Include at least one of these in your orders. It is money well spent.

ALDUMINA or ALLEGHENY VINE. A most beautiful and graceful climber, thriving in a sheltered situation, and climbing by its tendrils to any object within reach. Is sometimes known as Mountain Fringe, Wood Fringe and Allegheny Vine. The beautiful pink and white flowers are produced in abundance during the three summer months. It is biennial and makes but little growth the first season. Height 15 feet. White and Pink. Pkt. 10c.

AMPELOPSIS. One of the best climbing plants for permanent situations, as it is perfectly hardy, climbing to the sides of whatever it may be grown against by the rootlets it throws out all along the stems. In the autumn the dark green foliage assumes beautiful tints of orange, crimson, etc. Height 5 to 10 feet. Hardy perennial.

Ampelopsis Quinquefolia. (American Woodbine.) Pkt. 5c.

Ampelopsis Veitchi. (Japan or Boston Ivy). Pkt. 5c.

BALLOON VINE (Alamo Vine) (Cardiospermum halicacabum). A favorite with children, being remarkable for its inflated membranous capsules containing the seed. It is sometimes called "Love-in-a-Puff." A rapid and graceful climber. Flowers small, white. The round black seed is marked with a white heart-shaped spot. Sow seed outdoors in open ground early in spring and give the plant some support to run upon. Tender annual; six feet high. Pkt. 5c.

BALSAM APPLE and PEAR. (Momordica.) Curious rapid climbers. Very ornamental. Pkt. 10c.

BIGNONIA RADICANS. (Trumped Vine.) Magnificent, hardy, deciduous climber, with brilliant flowers deserving a first place as an ornamental and effective covering for wall of houses, etc. Hardy perennial. Height 20 to 30 feet. Pkt. 10.

CARDINAL CLIMBER. (Ipomoea Hybrida.) Also called Jewel Vine. This is easily the best annual climber introduced in recent years. It is a very rapid grower and attains a height of twenty-five feet in a season. It has beautiful fern-like leaves and is literally covered from mid-summer to frost with brilliant, fiery red flowers about one and one-half inches in diameter and borne in clusters of five.

It needs a sunny situation and good rich soil. The seeds should be soaked in water a few hours before sowing and should not be lanted outside until about the first of May. This plant is a very shy seeder and therefore the seeds are quite expensive, Pkt. 10c.

CLEMATIS. Well known and universally admired for climbers, some of the varieties being remarkable for their beauty and the fragrance of their blossoms. Nice covering for arbors, verandas, etc., as they cling readily to almost any object. Most of the kinds are hardy herbaceous perennials, but some little protection in northern latitudes through winter is advisable. Will do well in any garden soil. Height 15 feet. A fine mixture of varieties. Pkt. 10c.

COBEA SCANDENS. A splendid climbing plant, with large purple bell-shaped flowers and elegant tendrils; when well established grows very rapidly, with numerous branches. Height 15 to 20 feet. Tender annual. Pkt. 10c.

CLIMBING ANNUALS MIXED. In this we have included all the popular, quick-growing climbing annuals, such as Ipomoeas, Nasturtiums, Sweet Peas, Japanese Hops, Cypress Vine, etc. Just the thing for covering old fences, arbors, etc. Pkt. 5c; oz. 25c.

CUCUMBER WILD. (Echinocystis Lobata.) Ornamental climbing cucumbers with curious fruit, remarkable for its luxuriance and rapidity of growth. Height 15 feet. Hardy annual. Pkt. 5c; oz. 15c; ¼ lb. 40c.



Morning Glory, Ransom Hotel, 316 E. Crockett St., San Antonio, Texas.

BLUE MEXICAN MORNING GLORY. This desirable climber makes a thick, dense growth of great lobed leaves and is brilliant with an endless profusion of immense blue flowers. Pkt. 10c.

CONVOLVULUS MAJOR. (*Ipomoea purpurea*. Tall Morning Glory.) This well known annual is one of the most popular climbers. Of rapid growth, soon covering a fence or trellis with abundant foliage and bright flowers. A great variety of colors and shades. Height 20 feet. Hardy annual. Mixed colors. Pkt. 5c; oz. 50c.

IMPERIAL JAPANESE. (*Morning Glory*) The flowers are of immense size and of strong colors. Soak seed before planting. Pkt. 5c; oz. 50c.

FANCY JAPANESE MORNING GLORY. *Fringed.* The perfection of Morning Glories. Immense flowers, often as big as a saucer. The colors, shadings and markings of the flowers are limitless. The foliage is luxuriant, distinct and varied, green, silvery and yellow. The robust vines attain a height of 30 to 40 feet in one season. Soak the seed in luke warm water for a few hours before planting. Mixed colors. Pkt. 10c.

DOUBLE MORNING GLORY. The variety of colors is almost limitless, running from the darkest reds and purples through all shades of blue and pink to snow-white. Flowers are streaked, mottled, striped, marbled and bordered in wonderful fashion. They are double and semi-double and some are so much fringed as to have the appearance of a double flower. Mixed colors. Pkt. 10c.

CYPRESS VINE. (*Impomea Coccinea*.) One of the most beautiful climbers; fine, delicate cut foliage, dotted with small scarlet flowers. For covering pillars, trellis work etc., it is unsurpassed in grace and beauty. Height 12 feet. Tender annual, White pck. 10c and red. pck. 10c Mixed colors. Pkt. 5c.

DOLICHOS LABLAB. (*Hyacinth Bean*.) Splendid climbers with abundant clustered spikes of purple and white flowers, which are followed by exceedingly ornamental seed pods. It is of rapid growth and often runs 30 feet in a season. Height 10 to 20 feet. Tender annual. Pkt. 5c.

GOURDS

(Useful as well as Ornamental.)

A great variety of curiously formed and marked fruit. The vines are of rapid growth and with luxuriant foliage; adapted for covering screens, arbors, etc. Height 10 to 20 feet. Tender annual. All kinds mixed. Pkt. 5c; ½ oz. 15c; oz. 25c.

DISH CLOTH OR LUFFA. A rapid climber having long green fruit, the inside of which is a fibrous mass, which, when shelled and seeds removed, makes an excellent substitute for a bath sponge. Pkt. 5c.

CALABASH PIPE GOURD. A rapid growing climbing annual from South Africa. The very popular Calabash Pipes are made from the fruit. When grown to make pipes it is best to let the vines run on the ground like cucumbers. These pipes are very light and color nicely. Pkt. 5c.

HERCULES CLUB. The longest gourd grown. Pkt. 5c.

DIPPER AND SIPHON. Useful for dipper. Pkt. 5c.

JAPANESE NEST EGG. White like eggs, does not crack and is not injured by heat or cold. Pkt. 5c.

SUGAR TROUGH. With thick tough shell and of great durability. Makes dishes and other utensils for various purposes. Pkt. 5c.

JAPANESE HOP. (*Humulus Japonicus*.) A rapid growing, perfectly hardy, annual climber of the hop family, of the earliest culture and indispensable for covering unsightly objects, or verandas, trellises, etc. Sows itself after the first year. Variegated leaves. Pkt. 10c.

KUDZU VINE. (*Jack-in-the-Beanstalk Vine—Pueraria Thumbergiana*.) The most rapid growing plant we have ever seen. It dies to the ground each fall, but makes the remarkable growth of from 50 to 70 feet each summer. The leaves resemble those of the lima bean and the foliage is very dense. Will grow anywhere and can stand an immense amount of hot weather. It grows slowly at first but when once started it will surprise you. You can almost see it grow. Fine for covering porches, arbors or old trees. Pkt. 10c.

MAURANDIA. Graceful, slender climber with glossy ivy-shaped leaves. It produces an abundance of showy irregular trumpet-shaped flowers, one and one-half inches long, usually purplish blue, white or rose colored with lighter throat. Suitable for greenhouse and hanging baskets in the winter and very satisfactory outdoors especially if a small trellis is given as support.

Seed should be started in hotbed or indoors and the young plants set out in open border after danger of frost is over. Tender perennial, blooming the first season; six to ten feet high. Pkt. 10c.



MOONFLOWER. (*Ipomoea Mexicana*.) The true Moonflower is one of the most vigorous of all the summer climbers; a single plant can be made to cover, by August 15, a trellis 20 to 30 feet high and 6 feet broad, with a dense mass of leaves studded every night or cloudy day with hundreds of beautiful white, wax-like flowers 4 to 6 inches in diameter. Height 30 to 50 feet. Tender annual. Pkt. 10c.

PASSIFLORA COERULEA. (Passion Flower.) A most interesting and well known order of climbers, bearing singularly beautiful flowers. They are the pride of South America and the West Indies, where the woods are filled with their species, climbing from tree to tree, bearing flowers of striking beauty. Pkt. 10c.

SCARLET RUNNER VINE. Has a fine scarlet flowers and is very desirable for covering trellises, old fences, etc. The green pods are edible. Pkg. 5c.

SMILAX. (*Myrsiphyllum Asparagoides*.) No climbing plant in cultivation surpasses this for graceful beauty of its foliage. In cut flowers and for wreaths, etc., it is indispensable to florists. Height 10 inches. Tender annual. Pkt. 10c.

THUNBERGIA ALATUM. (Climbing Blackeyed Susan.) A trailing or climbing plant with flowers of various shades of yellow and white, having a dark center, or eye. Particularly adapted for vases or hanging baskets, for plaza decorations, etc. Height 4 feet. Pkt. 10c.

WISTERIA VINE. (*Glycine Sinensis*.) One of the quickest growing climbers, of fine, bright foliage, producing bunches of rose lilac flowers in great abundance during spring, if once started it will live for years. Hardy perennial. Height 20 feet. Pkt. 10c.

SELECTED SUMMER FLOWERING BULBS FOR SPRING PLANTING

Prices are Postage Paid unless otherwise Noted.

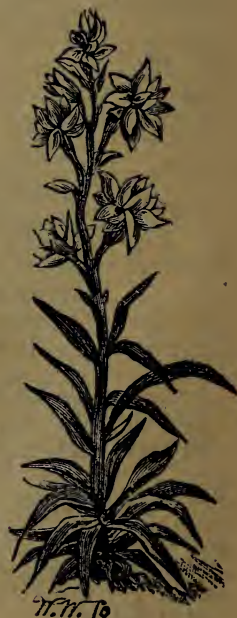
CALADIUM ESCULENTUM. (Elephant's Ear.) One of the most effective plants in cultivation, for planting out on the lawn, growing 6 feet high with handsome leaves, often 3 feet long and 20 inches wide. Will thrive in any garden soil, but for best results should be set in good soil and given plenty of water. Should not be planted until soil is warm. Can be stored in sand during the winter. Large bulbs, each 25c; doz. \$2.50.

WHITE CALLA. The Calla is one of the best flowering plants for room culture needing little care beyond abundant water, and an occasional washing of the leaves to keep them free from dust. Take a four- or five-inch pot, fill it with good, rich loam (one-half leaf mould and one-half good garden soil), then put in the bulb and cover one inch below the surface, water good and place in a dark place for three or four weeks. As soon as it starts growing bring to the light. Each 15c; 3 for 50c.

TUBEROSES. Most delightful, fragrant and beautiful summer flowering bulbs. Flowers wavy, white and sweet-scented. Plant s fond of light and heat. Plant outside after April 1. Each 5c; doz. 40c.

MADEIRA VINE. Madeira Vine is a popular and favorite tuberous rooted climber of rapid growth, with dense and beautiful foliage. It grows everywhere, but does better in warm, sunny locations. Each 5c; doz. 40c.

LILIUM GIGANTEUM. The True Bermuda Easter Lily. This peerless Lily is the greatest acquisition to floriculture made in many years. Their profusion of bloom, the remarkably short time required to bring them into flower, and the certainty to produce abundant bloom, and also the ease with which they can be manipulated to be flowered at any desired period, such as Christmas, Easter and other special occasions, make them invaluable. Each 50c. Potted 75c each.



TUBEROSE

CINNAMON VINE. A charming climber with heart-shaped leaves and cinnamon scented flowers, making a perfect bower of beauty. It thrives anywhere, and when once planted will grow for years. They are grown from roots or tubers, and will grow in any locality. Each 5c; doz. 50c.

FALL FLOWERING BULBS.

Order in October—Prices are postpaid.

HYACINTHS.

FOR OUTDOOR OR INDOOR PLANTING.

The culture of Hyacinths is very easy. For early spring blooming out doors, the bulbs should be planted from 3 to 4 inches deep, according to the soil. In light and sandy soils the deeper planting is better. Plant as early in the fall as possible as the bulbs are in active growth under the ground until checked by frost. A covering of coarse straw or manure will make the plants stronger and the flowers larger and earlier. In planting any bulbs in the fall a good supply of well rotted manure should be worked into the soil before the bulbs are planted.

Hyacinths are excellent for indoor culture. Prepare the pots so that they will drain well and use the best soil possible. Plant the bulb about an inch below the surface, water thoroughly and put away in a dark cellar or bury them, pot and all, about eight inches below the surface in the garden. Let them stand about six or seven weeks and then bring them into the house a few at a time. A four inch pot is a good size for a single bulb and a six or eight inch pot will take three to five bulbs. During their growth in the house they should be kept near the light (avoiding direct sun), well watered and in a temperature of 50 to 75 degrees.

Single red, white, blue, yellow, 15c each.

Double red, white, blue, yellow, 20c each.

Dozen, \$1.50, postpaid.



TULIPS.

Culture: Old, well rotted manure mixed with fine sand makes the best soil for Tulips. Water is Tulips' greatest enemy, and they should not be planted where the water is liable to stand over or under the plants. Place the bulbs about five inches apart and cover about three inches deep. For indoors treat the same as you do Hyacinths.

Tulips have a very great range of color, bloom for quite a while, and a bed of showy Tulips is a most beautiful sight.

Price, Darwin, Single or Double, 10c each; 60c per dozen, postpaid.

JONQUILS.

These are very popular on account of their beauty, their fragrance, and the ease of cultivation. They are handled like Narcissus and can be planted either outdoors or in the house. The Jonquil is perfectly hardy and will last for years after once planting. They also make a good plant for house or window box. By potting early a succession of these lovely flowers can be had throughout the entire winter.

We have the Single Campenelle Jonquils and the Double, which have very large yellow flowers. 5c each; 12 for 50c; \$4.00 per 100; postpaid.

NARCISSUS OR DAFFODILS.

The Narcissus is one of the most beautiful and altogether the most satisfactory of all the fall planting bulbs. They are perfectly hardy, thriving in almost any position, sun or shade, indoors or outdoors.

They are very desirable for pot culture for winter flowering, but it is outdoors that they do their best, and when once planted need no further attention. They can be left outdoors from year to year.

Narcissus are excellent for cut flowers for table decorations as they will last in water for a week.

The White Paper Narcissus and the Von Sion are the two varieties that do the best when grown indoors.

EMPEROR. One of the largest and finest among Narcissus or Daffodils. It has a pure yellow trumpet of immense size and a wide perianth of deep primrose. Hardy and of great beauty when cut 10c each; 12 for \$1.00; postpaid.

GOLDEN SPUR. Trumpet large, spreading, of rich sulphur yellow, perianth yellow. '0c; dozen \$1.00; postpaid.

VON SION. This is the famous old Dutch Daffodil. The flowers are double and of a beautiful golden yellow. Excellent for forcing and also for planting with Hyacinths, as they bloom at about the same time. 10c each; dozen for -1.00; postpaid.

PAPER WHITE NARCISSUS. One of the easiest to grow and a sure bloomer. Can be planted outdoors, in the house in soil, or in a bowl of water and sand or gravel. One of the nicest ways is to plant four or five of these bulbs in a glass bowl about half full of gravel and then filled with water. Keep in the dark for about two weeks and then bring to the light. They bloom for quite a while and have a very sweet odor. 10c each; dozen for 65c; -4.00 per 100; postpaid.

POETICUS ORNATUS. A fine variety of the Pheasant Eye type. The petals are white with a yellow cup margined with scarlet. Fragrant, with a rich, spicy odor, and excellent for both indoor and outdoor planting. 10c each; dozen for 65c; \$4.25 per 100; postpaid.

CROCUS.

READY FOR OCTOBER.

The bulbs should be planted three inches deep; the object of deep planting being that as the new bulb is formed annually on top of the old one, they soon get too near the surface. They should be planted in the early fall or they are liable to start growing, which spoils the flowers for the coming season. Being perfectly hardy they are among the first ones to bloom in the spring, often before the snow has disappeared. The best effect is in masses in beds, arranging colors as desired. They can also be set one here and there on the lawn. Simply lift the turf with a trowel and insert the bulb about three inches deep. The tops will die down to the surface in time for lawn cutting. They bloom for several years. White, yellow blue, and striped. 5c each; 40c per dozen; postpaid.

CHINESE SACRED LILY

(NARCISSUS ORIENTALIS)

Ready for Delivery in October.

Also called Joss Flower, Water Fairy Flower and Oriental New Year's Lily. The flowers of this variety of Polyanthus Narcissus introduced from China are satiny white with golden yellow cup. They are borne profusely in clusters and are very fragrant.

They may be grown in pots of earth but usually do best in bowls or dishes of water, by which method the bulbs may be brought into profuse bloom in four to six weeks from planting. Put an inch or two of sand and gravel in the dish in which they are to be grown, set the bulbs on this and put enough gravel or shells around them to keep them from falling over; fill the dish with water and set in a dark closet for a few days until the roots start freely, then bring them to the light and keep in any ordinary living room. A dozen bulbs started this way at intervals will give a succession of bloom throughout the winter.

The Chinese Lily bulbs offered by us are large, solid and well matured. They can be relied upon to be the true Chinese, which are superior to those grown elsewhere.

Price, 25c each; \$2.50 per dozen, postpaid.



ROSES

HARDY EVERBLOOMING

2 Yr. Old 75c Packing for Shipment 10c Extra.

MADAME CAROLINE TESTOUT. One of the most popular roses in its class, and undoubtedly one of the best for outdoor culture. Should be in every garden. Immense, large, clear pink flowers, full and double; beautiful buds. Very hardy.

ETOILE DE FRANCE. A dark-red, nearly black, Tea Rose; no yard is complete without this fine new rose.

FRAU KARL DRUSCHKI. White with blooms 4 to 6 inches across; buds full, well formed; open flowers very double. A strong, vigorous grower; nearly always in bloom. We strongly recommend it.

BON SILENE. Deep salmon-rose, marked with carmine; highly scented. Valuable for its buds, which are large, and of fine form, and color. Very strong, and robust in this section; blooms profusely the year round. An old favorite, and still very popular.

MARIE GUILLOT. Pure white with large buds and open flowers that are as perfect as a Camellia bloom.

BRIDESMAID. A grand pink Rose for all purposes; not only a good garden rose, but forces well.

WHITE LA FRANCE or AUGUSTINE GUINOISSEAU. Beautiful light fawn color, almost white; rightly described as an almost white La France. Extra fine.

LADY HILLINGDON. Pointed bud of brilliant deep golden-yellow. Awarded gold medal, N. R. S.

HELEN GOULD or BALDWIN. This is a grand rose of the very highest merit for the garden; bright watermelon-red; very free grower and bloomer.

THE BRIDE. Pure white, with tinge of pink when planted in the garden; large, full and most perfect form.

HARDY EVERBLOOMING ROSES—(Continued).

MAMAN COCHET, PINK. The best pink garden rose. In the open ground it quickly makes a strong bush, producing on long stiff stems, in wonderful profusion, flowers that are perfect. The buds are beautiful, large, full and firm, elegantly pointed, while the open flowers are extra large, and perfectly double. The color is clear, rich pink, changing to silvery rose. Blooms all the time.

MAMAN COCHET, WHITE. What has been so long desired, viz: a pure white, hardy, ever-blooming rose, has been obtained in this grand variety. It has the requisites of a perfect garden rose—substance, size, fragrance, hardiness, vigor and profusion of bloom—rivaling the best of the monthly ever-blooming roses in the latter all-important quality. It is a "sport" from the well-known and much valued rose, "Maman Cochet." Inheriting all its fine qualities, full and firm buds, long and pointed, the ideal rose, keeping long when cut.

AMERICAN BEAUTY. Color red, with touches of crimson, and intensely fragrant. No Rose has a sweeter or more penetrating fragrance than American Beauty. A most beautiful Rose and a great favorite.



Kaiserin Augusta Victoria.

KAISERIN AUGUSTA VICTORIA. (H. T.) White with lemon center; full, pointed buds; vigorous and a good bloomer; very double. This Rose is one of the newer sorts, with handsome, bright foliage. The flowers are borne on long, straight stems. A variety of great merit.

LA FRANCE. The Queen of all the roses. Beautiful bright silvery-pink with pale lilac shadings, over the entire flower a satiny sheen. Large, full and fine form; one of the sweetest-scented Roses. Most free blooming.

MADAM FRANCISCA KRUGER. Strong, vigorous Rose; a constant bloomer; especially fine in early spring and late fall; flowers of large size, copper yellow, shaded pink on outer petals.

METEOR. Flowers rich, dark velvety crimson; plant strong clean, vigorous grower, like Bon Silene, but with flowers larger and more double. The richest colored ever-blooming Tea Rose yet introduced; very distinct, grows and blooms in remarkable profusion outside as a bedding Rose.

WHITE KILLARNEY. This form of the famous Killarney Rose has the fine, large buds and beautiful flowers of the original variety; a strong-growing, profuse-blooming Rose; white, tinted pink on the outer petals.

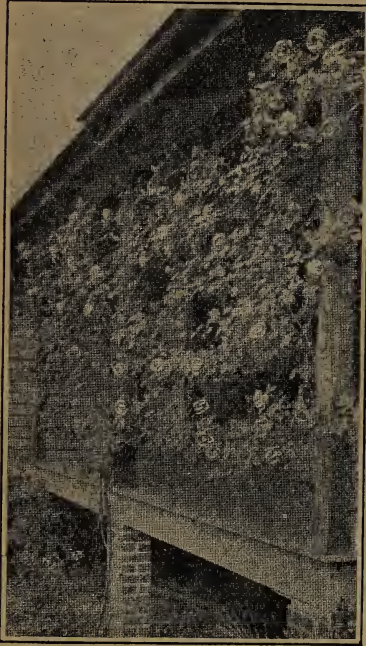
KILLARNEY. This is the new Irish rose which is so popular in the East, at present, for cut rosebuds. It is a beautiful pink, having extra long, slender buds which are most beautiful; when fully opened the flowers are almost single.

GRUSS AN TEPLITZ. One of the brightest colored roses grown. When first opened it is a dark, rich crimson, changing to a bright scarlet. Blooms continually; flowers good size and delightfully fragrant. It is the rose for everybody, succeeding everywhere.

PAUL NEYRON. (H. P.) Strong and vigorous; pink; full-double. The largest-flowered Rose grown, often measuring six inches across. A very desirable variety.

ETOILE DE LYON. (T.) Deep yellow, with good buds and large double flowers. It blooms profusely and is a strong grower. Desirable yellow bush Rose.

CLIMBING ROSES



AMERICAN BEAUTY

THOUSAND BEAUTIES. (Tausendschoen.) The most sensational climbing rose yet introduced, not even barring Crimson Rambler. A single cluster of flowers is a bouquet in itself, hence the very fitting name, "Thousand Beauties." Blooming profusely from the beginning of June until the last of July, the flowers appear in large clusters (10 to 15 in a cluster), are of splendid size and quite double. The colors run from delicate balsam to tender rose through the intermediate shades of bright rose and carmine, with white, yellow and various other indescribable tints showing. There is no other rose in cultivation like it. It is a strong grower, with but few thorns and magnificent foliage. The most remarkable rose of its kind in the world.

CLIMBING KAISERIN. Flower same as Kaiserin; snow-white; very large.

RED CLIMBING AMERICAN BEAUTY. Same flower as the Red American Beauty Bush Rose, only a strong climber.

CLIMBING METEOR. A grand climber; color velvety maroon; very free bloomer.

CLIMBING BRIDESMAID. A standard climbing variety of strong growing habit, a good bloomer, and bloomer, and very desirable. Color a clear pink with large and well formed flowers.

Price on Roses, 2-year, 75c each. Packing 10c extra.

CLIMBING VINES

ANTIGONON LEPTOPUS or MOUNTAIN ROSE. (King's Crown.) A lovely climber from Central Mexico, with beautiful rose-colored flowers in racemes two feet long. The profusion of bloom is such as to give the resemblance of Roses at a distance, hence the Mexican name "Rosa de Montana," or "Mountain Rose." Described by its discoverer as the most beautiful climber he had ever beheld. This is moderately hardy with protection. The vines are killed to the ground by frost, but it quickly shoots up in the spring, and develops its flowers from June till frost. Each 35c, postpaid.

AMPELOPSIS VEITCHII. Boston Ivy. This is one of the finest climbers we know for covering walls, as it clings firmly to the smoothest surface, covering it with overlapping leaves, which form a perfect mass of foliage. The color is a fresh, deep green in summer, changing to the brightest shades of crimson and yellow in autumn. It is quite hardy and becomes more popular every year. Each 25c, postpaid.

CLIMBING VINES—(Continued).

VIRGINIA CREEPER. (*Ampelopsis quinquefolia*). A hardy, rapid-growing, climbing vine; leaves deciduous, dark green, five-parted, gorgeously colored in fall. A splendid vine for walls, arbors, and porches. Each 35c.

ENGLISH IVY. (*Hedra helix*). The well-known English Ivy. An excellent covering for walls and tree trunks. Succeeds best in shaded locations or northern exposures. Each 35c.

CLEMATIS PANICULATA. Native of Japan. Graceful, rapid-growing vine with long, slender stems. Leaves compound, borne on long petioles. Flowers small, white, produced in such profusion as to cover the whole vine with a mass of small, fragrant, long-petaled blossoms, in late summer. Bears peculiar seeds which turn to scarlet in winter, and are quite attractive, having the appearance of flowers. A beautiful plant. Prices of *Clematis paniculata*, 75c and \$1.00.

HONEYSUCKLE (*Lonicera*). Hall's Japan. The most constant bloomer of the class, being literally covered all summer with beautiful yellow and white flowers. Each 25c.

WISTARIA

(*Wistaria chinensis*). Magnificent, strong-growing, woody vines, hardy throughout the country. Leaves deciduous; the flowers are born in large, pointed clusters, with or before the leaves in spring. Purple. A very strong-growing sort, producing large panicles of purple flowers. White. A very fine variety, with large clusters of delicately scented white flowers. Each 50c.

GENERAL LIST OF PLANTS.

ANTIRRHINUM. (Snapdragon). One of the most desirable flowers in the catalog for its variety of color and success of bloom, lasting from July till severe frosts. The plants should be covered with fine boughs or other light material, in November, and they usually survive and bloom finely the second year. Height one foot. Biennial. Dozen 35c.

CALENDULA OFFICINALIS. This splendid variety has large flowers, beautifully imbricated resembling in size and from the finest aster. Each petal of plate straw color, is regularly marked with a stripe of bright deep orange. It blooms profusely with a succession of flowers from July until frost. It comes true from seed, and is one of the best annuals for a garden display. Height 18 inches. Dozen, 35c.

DAISIES, SHASTA. Flowers snow-white, yellow disc; hardy. Per dozen, 25 cents.

DIANTHUS PLUMARIUS. (perpetual), June Pink, Clove or Grass Pink, hardy and fine for old-fashioned gardens. Dozen, 35c.

SWEET WILLIAMS. The improved varieties of this popular flower are very beautiful, and should find a place in every garden. A great variety of rich flowers, eyed and variegated with other shades forming large trusses of blossoms, remaining a long time in bloom. A bed of Sweet Williams is very attractive the last of June and the first of July, a time when but few other flowers are in bloom. Hardy, perennial. Height, 18 inches. Double mixed, doz., 35c.

GERANIUMS. The improvement both in size and beauty of this flower has been wonderful. We offer the very best varieties to be had. Mixed colors, 15c each, postpaid.

VERBENA. Among the best known and most easily grown annuals, making an excellent color display as bedding plants, or in window boxes. Dozen, 35c.

PHLOX DRUMMONDII. Mixed Drummond Phlox. Their various colors and length of flowering with easy culture, make them favorites with every one. One foot high. Dozen, 35c.

CARNATIONS. Raised from imported seed. Large flowering variety of mixed colors. 40c per dozen postpaid.

SALVIA SPENDENS. 10c each; dozen, 75c.

PANSY PLANTS. Grown from our choicest Pansy Seed. For many years we have been perfecting our strain of Pansy, and we can confidently recommend it as the finest mixed Pansy in existence. Not only are the flowers large and highly colored, but the varieties are very numerous and the mixture contains all that is best in American and European Pansies to date, the immense number of plants we sell to our private customers sufficiently proves their merit. Strong plants from January to April at 50 cents per doz.

VIOLETS, CALIFORNIA. Large, single blue, 25c per dozen.

GLADIOLI.

AMERICA. The well known soft lavender pink. Each, 10c; per dozen, \$1.00.

BRENCHLEYENSIS. Bright vermillion scarlet, all flowers open at once, fine for bedding. Each, 10c; per dozen, \$1.00.

EUROPE. Pure white, absolutely no markings. Fine. Each, 25c; per dozen, \$2.50.

MRS. FRANCES KING. Intense flame pink almost scarlet, flowers very large, one of the best. Each, 10c; per dozen, \$1.00.

PANAMA. An American production which leads the world in pink. It is a seeding of the well known America, which it resembles in all respects except that its color is much deeper. Each, 25c; per dozen, \$2.50.

MRS. FRANK PENDLETON. Light rose pink, shading to a deeper pink toward the center of the petals. Lower petals are blotched with rich carmine. Flowers large, well opened and of graceful form. An extra fine variety. Each, 25c; per dozen, \$2.50.

NIAGARA. Soft primrose yellow, slightly tinted with rose pink in the throat. Flowers large and of exceptionally graceful form. The best variety of its kind. Each, 15c; dozen, \$1.50.

SCHWABEN. A soft, pure yellow, carrying a dark blotch which makes a pleasing combination. New. Each, 40c; per dozen, \$4.00.

Mixed Gladioli. Dozen, 50c.

SHOW DAHLIAS.

CUBAN GIANT. Dark crimson; very large. Each, 20c.

DOROTHY PEACOCK. Beautiful clear live pink, blending to soft shell pink. Each, 20c.

QUEEN VICTORIA. Canary-yellow.

RED HUSSAR. Best red Show Dahlia.

ROBERT BROOMFIELD. Pure white; extra fine.

SYLVIA or DOLLY. Fine for cut flowers, for which it is largely used. Clear pink, almost white in center; extra.

Price of all Show Dahlias, 20c each.

CACTUS DAHLIAS.

AURORA. Orange-yellow, heavily overlaid with soft pink occasionally tipped white; a beauty.

CHARLES CLAYTON. Color a most intense dark crimson.

COUNTESS OF LONSDALE. This variety will produce more and better flowers than any other that we know of. The color is a pleasing salmon-pink. Extra; grand for cut flowers.

FLORADORA. Beautiful pure garnet. Splendid form and a free bloomer.

J. H. JACKSON. Blackish-maroon. Fine.

KRIEMHILDE. Deep pink, light center.

PRINCE OF YELLOWS. Rich golden-yellow; very profuse.

RUTH FORBES. Clear mauve-pink. Elegant.

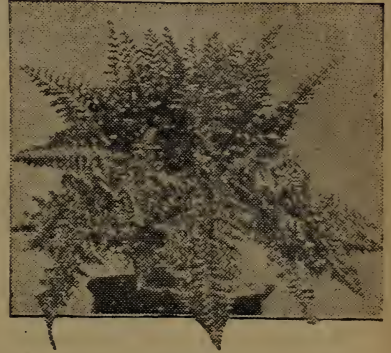
Price of all Cactus Dahlias, 20c



Gladioli.

FERNS

NEPHROLEPIS WHITMANII. (The Ostrich Plume Fern.) A great Fern. In fact, it is a plant that appeals to everyone, and on that account will prove a much more valuable and profitable plant than the Boston Fern, which has had the most phenomenal sale of any decorative plant that has ever been grown, but which cannot be compared to the Ostrich Fern for beauty and general effectiveness. Everyone who has seen it is charmed with it. As someone expressed it: "There is nothing like the Ostrich Plume Fern in cultivation. In decorative effect it so far outdistances the original variety that there is positively no comparison to be made. We consider it the most valuable novelty that has been introduced in many years." It has taken gold medals wherever shown.



Fern

NEPHROLEPIS WHITMANII COMPACTA.

The Parlor Fern. This is a condensed form of the "Ostrich Plume Fern," with valuable characteristics added which are not evident in the parent; the pinnae subdividing, making miniature fronds which are superimposed on the main fronds, looking as if two or more were condensed in one. Graceful beyond description.

NEPHROLEPIS SCOTTI. The Newport Fern. Of much dwarfer and bushier growth than the Boston Fern. The fronds droop gracefully, and are not as long and heavy as the Boston. It is a rapid grower, and to see it in all stages of growth from a runner in the bench to a fourteen-inch pot specimen will convince you that it will be in great demand as a house Fern. This has always been a favorite variety.

NEPHROLEPIS PIERSONII. The Gold Medal Fern. This Fern received a gold medal from the Society of American Florists and Ornamental Horticulturists, and is the only gold medal ever awarded by them for any plant whatsoever. An entirely new form of the Boston Fern. The pinnae subdivide, making miniature fronds which are superimposed on the main fronds, looking as if two or even three were condensed in one, giving the plant a graceful, feathery and plummy effect.

NEPHROLEPIS BOSTONIENSIS. The Boston Fern. In the vicinity of Boston no other plant is so extensively used as this graceful Nephrolepis, which differs from the ordinary Sword Fern in having much longer fronds which frequently attain a length of six feet. These arch and droop over very gracefully, on account of which it is frequently called the Fountain Fern. This drooping habit makes it an excellent plant to grow as a single specimen on a table or pedestal. This Fern should not be compared to the Ostrich Plume Fern, as they are of an entirely different growth; both have their place and both are beautiful and desirable.

ASPARAGUS FERNS

ASPARAGUS SPRENGERI. A fine variety for hanging pots. The rich foliage will droop in its natural grace. Plants also blossom freely and bear large red berries. Nothing finer for decorating.

ASPARAGUS PLUMOSUS NANUS. Fine, lace-like foliage, compact and most exquisite. A grand foliage plant. Splendid for table and house decorations, bouquets, etc.

Prices of all Ferns, strong, young plants, 35 cents, each postpaid.

A L T H E A .

(ROSE OF SHARON)

Every yard should have this fine shrub, which blooms all summer; flowers are large as roses, in many colors.

RED. Double ;the best bloomer in red.

PINK. Double; also a fine bloomer.

WHITE. Double; pure white; surely a beauty.

TOTUS ALBA. Single, white. Each, 50c

CRAPE MYRTLE.

(LAGERSTROEMIA)

One of the finest flowering shrubs we have, blooming all summer; the entire bush is like a bouquet. Price on Crape Myrtle, each 50c.

CRIMSON. A very fine, rich color.

PINK. The earliest in bloom.

WHITE. Very desirable; always rare.

SPIREA. The Spireas can be planted in masses, around borders or in beds, with excellent results. These shrubs bear a profusion of showy flowers in early spring, and a group planting makes a showy mass. They are hardy, thrive well in moist, fertile soils, and are well adapted to the South.

ANTHONY WATERER. A dense, low-growing Spirea with foliage in various shades of yellow, red, and dark green. Flowers crimson, produced freely throughout the whole summer in flat-topped bunches. Height two feet.

BILLARDII. An upright shrub, reaching a height of 5 to 6 feet, with dark brown branches and oblong leaves, grayish beneath. Flowers pink, in panicles 6 to 8 inches long. A very beautiful shrub, blooming almost constantly throughout the summer.

VANHOUTTEI. Branches long and arching; leaves dark green; flowers produced in clusters along the branches; hardy.

Price on Spirea, 55c each.

THE WEIGELIAS.

An important group, indispensable for ornamental planting. They thrive in most any soil, are strong growers and generally hardy. When young of upright habit, growing with age into more graceful shrubs. Useful as specimens, and desirable for groups or masses. In May or June the Weigelasa are aglow with a wealth of flowers borne all along their branches. and some varieties flower sparingly even through the summer.

EVA RATHKE. Almost a continual bloomer. Flower is between "Rose-Red" and "Pomegranate Purple." Each, 75c.

P L U M S .

While pure Japanese varieties do not thrive well all along the Gulf Coast, the crosses of Japanese varieties and natives are prolific bearers and succeed well.

The following are the best varieties for this locality:

BURBANK. Size large to very large; rounded and blunt-pointed; dark red, mottled, over yellow ground; thick bloom and numerous large dots; flesh deep yellow, juicy, sweet, firm; pit small; cling; quality one of the best. Tree very vigorous, upright branches with large leaves. Very popular both North and South.

RED JUNE. Fruit medium to large, cordate, elongated at the apex, lop-sided; suture deep; color vermillion-red all over with delicate bloom; very showy; flesh light, yellow, firm, moderately juicy, sweet or slightly subacid; pit small; cling; flavor pleasant; quality very good. Tree vigorous and prolific. A good variety. June.

GONZALES. A cross between an American and a Japanese Plum. A good shipper and keeper. A heavy bearer, large and red; ripens June.

Prices on Plums, 3 to 4 feet, 80c; 4 to 5 feet, \$1.00.

P E A R S .

KIEFFER. Fruit large to very large; yellow, with bright vermillion cheek, very handsome; flesh very juicy, brittle, a little coarse but of good quality. September and October.

GARBER. Fruit resembles the Kieffer in size, appearance and quality, but the tree is more open in growth. Comes in ahead of the Kieffer. A seedling of the Chinese Sand Pear. Prices on Pears, 4 to 6 feet, \$1.00.

JAPAN PERSIMMONS.

TANE-NASHI. Large to very large, roundish, conical, pointed, very smooth and symmetrical; diameter 3 1-4 inches longitudinally and 3 3-8 inches transversely; skin light yellow, changing to bright red; flesh yellow and seedless; quality very fine; perhaps the most highly esteemed of the light-fleshed kinds. Vigorous; prolific. The most desirable market variety.

Prices on Persimmons, 2 to 3 feet, 75c.

P E C A N S .

No other fruit or nut tree is growing in popularity so fast as are Pecans in the Southern States. It is considered by some people that Pecan trees do well only on low, wet ground; but the truth is they attain their perfection on well-drained, sandy loam, underlaid with clay, with good moisture. Pecan trees should not be planted closer than 40 feet apart, and 50 to 60 feet is the right distance on rich soil.

SCHLEY. Tree a good grower; nut medium to large, thin shell; plump full kernel. Considered by some to be the standard of perfection among named varieties.

STUART. Nuts large to very large, 1 1-4 to 2 inches long; oblong; brownish shell; strongly marked with dark color. Shell of medium thickness and of very good cracking quality; flavor rich and sweet. Heavy bearer.

Prices of grafted Pecan trees, 4 to 5 feet, \$2.50.

P E A C H E S .

Of the utmost importance for successful Peach-growing in the lower South is the selection of the right varieties. After this is done, buy good one-year-old trees and plant them on well-drained land. No other fruit trees, except Figs, will give you quicker return than Peaches, and the expense of raising them is not so great as other fruits. We list only those varieties which do best in the Gulf Coast country, including San Antonio and vicinity.

CARMAN (N. C.) Of large size, resembling Elberta in shape; skin creamy white or pale yellow, with deep blush; flesh tender and of fine flavor; juicy freestone. Prolific bearer and profitable market variety. June 10 to 20.

GREENSBORO. (Per.) Originated in North Carolina and is being extensively planted in the central South. Of good size, nearly round; skin highly colored, bright red over yellow; flesh white, very juicy and of fine quality. Semi-cling. Valuable market variety. About June 1.

MAYFLOWER. (Per.) Large; well-colored; red all over; of fine quality; cling. A very promising variety. Its earliness, high color and excellent quality are strong points in its favor. Ripens in May.

ARP BEAUTY. Originated at Arp, Texas, in the heart of the peach belt; of North China type, medium, oblong, yellow tinted red; flesh yellow, quality good. Tree a vigorous grower and a good bearer, semi-cling, ripens late in May to early June.

MAMIE ROSS. Fruit large, oblong, creamy white, semi-cling, ripens June 20th to 25th. Tree a very vigorous grower and in some sections of the state it bears good crops.

PALLAS. This is a seedling of Honey, but is larger in size; flesh white, fine grained, with a rich vinous aroma; sweet in flavor, quality excellent, freestone. Ripens June 20 to July 10th. Tree a vigorous grower, a sure and very heavy bearer and fruit must be thinned to give size. It is the Southwest Texas standard and the money maker for the commercial orchardist. If you want a tree that will produce fruit when all others fail, plant the Pallas.

HONEY. Fruit medium size, oblong, pointed, very sweet; color creamy white with very red cheek. Tree a vigorous grower with tendency to overbear itself; in such case the fruit should be thinned out, otherwise it will be small. This is one of our surest bearers in Southwest Texas and should be planted by everybody that wants a good freestone. Ripens June 10th to 25th.

ELBERTA. Very large; color rich yellow with red cheek; juicy and good flavored. One of the very best varieties in America for market or home use. Ripens July to August.

Prices on Peaches, 3 to 4 feet, 60c; 4 to 5 feet, 85c.

FIGS

No other fruit can be recommended so strongly as the Fig, both for home use and commercial purposes, for the Lower South. It thrives in almost any kind of soil, but grows best on rich, moist ground. On account of the poor keeping quality of the fruit, its shipment as fresh fruit is limited, but it is always accepted very well whenever marketed.

Figs bear at the first year of planting, and large profits have been realized from orchards of three-year-olds. Thousands of acres have been planted in Southern Texas for commercial canning.

Culture: The ground should be cleared, plowed, disked and harrowed in the summer previous to plantng. If possible, plant in velvet beans or cowpeas. The best time to set the Fig trees is in December, though they can be planted as late as March. Always plant healthy, one-year-old trees free from root-knots. Cut back the top at about 4 to 6 inches from the ground. Let three or four shoots come from the crown, removing all the rest. At the end of the first season, cut back these shoots to about 2 feet, and then allow them to grow as they will, only removing the suckers.

CELESTIAL. Sugar Fig. Fruits small to medium; bluish yellow; stem short, stout. Flesh rosy, firm, juicy, very sweet and of excellent quality. Decidedly hardier than any other variety of Fig and a vigorous grower, attaining the height of 20 feet. Very best home and commercial variety.

BROWN TURKEY. Very hardy and one of the best bearers we have. Fruit brown, excellent quality.

MAGNOLIA. Large, ovate; color yellow, with purplish brown flesh. Leaf deeply notched and similar to Smyrna Figs in many points. Very prolific and a young bearer. Ripens in July. Best commercial Fig for Southern Texas and Louisiana.

Prices of Fig trees, 2 to 3 feet, 50c each.

GRAPES



NIAGARA. Bunch and berry large; greenish yellow; flesh sweet; quality good. Vigorous and prolific. One of the best for the South generally.

CONCORD. Bunches and berries very large, blue-black, with bloom; flesh sweet, pulpy, tender, good; vine vigorous. Heavy bearer; desirable for home markets. July.

BLACK SPANISH. Small, black, small bunches. Succeeds well in Southwest Texas, and in the coast country. September.

CARMEN. Medium, round, black, fine quality, vigorous and productive. August.

MUSCADINE GRAPES

FLOWERS. Bunches composed of fifteen to twenty large, purplish black berries; sweet, vinous, good quality. Most largely planted variety of the Muscadine type. August and September.

Prices on Grapes, 40c each.

BERRIES

No farm or city garden should be without a patch of black or dewberries. These are the surest crops that can be grown. They pay more per acre than almost anything else. We have realized as high as \$1000.00 per acre, while the expense of working and marketing is very low. They ripen in the spring while the weather is cool and most pleasant for preserving and making jams and jellies.

BLACKBERRY

Price: 75c a dozen; \$5.00 a 100.

DALLAS. Combines all good points; large, fine quality. Early to mid-season.

DEWBERRY

Price: Same as Blackberry.

AUSTIN. May. Robust short vine. Fruit very large, prolific. Sure bearer.

CANNAS

Of all summer bedding plants the Canna is probably the most widely used, and furnishes the widest range of colors. Aside from the gorgeous colors in the flowers, the foliage alone is beautiful in its many colors of green, bronze, red, etc.

ALLEMANIA. Orange scarlet with golden yellow border. Inside of bloom scarlet and dark red. A tall growing variety.

AUSTRIA. A soft canary yellow with spots of red in throat. A tall growing variety of exceptional beauty.

BURBANK. Beautiful rich yellow with mottled crimson throat. Luxuriant growth which makes it one of the best of the tall sorts.

BUTTERCUP. A medium Buttercup yellow. A dwarf variety which is unsurpassed for bedding.

PILLAR OF FIRE. A medium grower with flowers of crimson scarlet. Flowers very large and free.

KING HUMBERT. Bright orange flowers streaked with crimson. Bronze foliage striped with green. Luxuriant grower.



PRICES ON CANNAS.

No. 1 Bulbs, 15c each; \$1.25 per dozen.

CRINUM. Bulbous plants of easy culture, blooming during the summer months. They do well in shady locations. Leaves broad, dark green, and the plants are quite ornamental, even when no bloom. Flowers lily-like, white striped with pink. Very satisfactory for garden culture in the South. Each 20 cents.

EVERGREEN SHRUBS AND HEDGE PLANTS

ABELIA GRANDIFLORA. An evergreen shrub of dwarf but graceful growth, beautiful, bright, shining, green leaves which assume a metallic hue in winter. From early summer until frost the bush bears in profusion clusters of fragrant, small trumpet-shaped flowers tinted outside with pink and waxy white within. Beautiful as a single specimen or in massed plantings.

Abelia Grandiflora, 2-year No. 1 each \$2.00.

EUNOYMOS JAPONICA. An evergreen with thick shining green leaves. One of the best and most beautiful hedge plants. Makes beautiful shrub grown as specimen stands.

Eunoymos Japonica: 2 to 3 feet each, \$2.00; 18 to 24 inches \$1.50; 12 to 18 inches \$1.00.

AMOR RIVER PRIVET. This is a hardy evergreen in the South. Leaves dark shining green, which remain beautiful throughout the year. Has dainty white flowers in June, followed by black berries. Price evergreen, 1 to 2 feet, each 10c, per 100, \$8.00.

CALIFORNIA PRIVET. (*Ligustrum Ovaligolium*.) Thick, green foliage. Good for hedge or ornamental shrub. Price 2 to 3 feet, 10c each, per 100, \$8.00.

LIGSTRUM JAPONICUM. (Japan Privet.) The smooth-leaved evergreen, shown so beautifully on plazas in San Antonio. Grow to be nice shade trees, or may be kept as shrubs if desired. Bright green, winter and summer, with black berries at Christmas. Price 5 to 6 feet, \$2.00 each.

EVERGREENS.

The variety of evergreens adapted to the soil and the climate of the Southwest is large indeed. We list those that have proven most satisfactory, and recommend "specimen plants" where individual plants are desired. We also urge our customers to order evergreens balled in earth, which practically insures the life of every plant. Nothing adds more to the appearance of the yard or lawn than a few choice evergreens well located.

ROSEDALE ARBORVITA. Of compact, symmetrical form, with very dense head. The foliage is dark, bluish green and very handsome. Very desirable for the South. Price balled and burlaped, 3 to 4 feet, \$6.00 each.

ARBORVITAE. Chinese Golden. Of upright and compact habit and of a rich golden color. While of free growth, it rarely attains a great height, keeping something near five feet. Price balled and burlaped, 18 to 24 inches, \$2.50 each.

ARBORVITAE. Pyramidal Golden. Of erect and symmetrical growth, often attaining considerable height. Close and compact foliage of golden color. Price balled and burlaped, 18 to 24 inches, \$3.00 each.

ARBORVITAE. Boita Aurea Nana. A new and attractive variety of dwarf habit with exceedingly compact, well rounded heads tipped with golden color. Price balled and burlaped, 18 to 24 inches, \$4.00 each.

BLUE-GREEN. A handsome Biota with bluish green foliage that does not change color in winter, very desirable. Price balled and burlaped, 4 to 5 feet, \$6.00 each.

FARMOGERM

HIGH BRED NITROGEN GATHERING BACTERIA



"Farmogerm" Alfalfa knee deep.

WE CARRY

Farmogerm for Alfalfa, Vetches, Peanuts, all Clovers, Sweet Peas, and every variety of field and garden Peas and Beans.

Write for booklet giving full particulars. See Page 101.



Alfalfa not inoculated.

**Greatest Money-
Making Crop**

Alfalfa

**For the South-
western Farmer**

Every farm ought to produce its own feed. It can usually be produced cheaper on the farm where it is fed, than it can be produced, sold, shipped and resold and delivered from some other farm.

Alfalfa, Sudan and Sorghums are the great, safe, profitable feed crops for the Southwestern and Mexico farmers.

Alfalfa is a Drouth Resister because it has long deep tap roots. Best results (and hey are good results) are obtained when planted on well drained and fertile soils. Alfalfa will give a full measure of profitable returns on the best acres on the farm.

Valuable Hay and Pasture Crop. Alfalfa meadows requiring no more labor than harvesting the crop, usually produce two to four tons per acre and even six to eight tons with very favorable conditions, selling at \$20.00 to \$40.00 a ton, is a good money maker. We know of many farmers who are making \$50.00 to \$150.00 an acre from their alfalfa meadows.

HAIRY PERUVIAN ALFALFA. Is proving of special value in the Southwestern portion of the United States, where the winters are mild. It is characterized by its large leaflets and by the hairiness of its stems and leaves, quick recovery after cutting, and its very rapid growth during the growing season, and also by its ability to grow in cooler temperatures than ordinary Alfalfa. 75c per lb.

SMOOTH LEAF PERUVIAN ALFALFA. I can also furnish this variety to those of my customers who prefer it to the Hairy. 65c per lb.

HIGH GRADE ALFALFA SEED 50c per lb.

Sow in thoroughly prepared soil, either broadcast or in drills, at the rate of 20 pounds per acre.

We sell only the highest grade seed, 98 per cent purity or over, and all of it is the strongest American grown seed on the market. Peck and bushel prices subject to market changes. When ready to buy write for prices.

FOR BEST RESULTS ALFALFA SHOULD BE INOCULATED WITH FARMOGERM.
SEE PAGES 90 and 101, FOR PRICES.

All prices are subject to market fluctuations. Our prices include sacks, but do not include freight or express charges, which must be paid by customers.

POSTAGE.—On small lots please add 5c. per lb. postage. On large quantities add regular parcel post charges. See page 2

CLOVERS

WHITE FLOWERED SWEET CLOVER. (*Melilotus Alba.*) Sweet Clover has suddenly sprung into popular favor. For a long time it had been regarded as a pest, but now a place has been found for it and in its place it is a very valuable plant.

Sweet Clover is valuable because of its ability to grow and thrive on the poorest and most barren places. It will not only thrive on soils that are too poor for any other crop but will improve the soil it is growing on. It makes good hay and good pasture, although cattle do not always take to it at first. It resembles Alsike Clover in that it can grow on moist soils.

Its ability to improve the soil, together with its ability to thrive on very poor soils, makes it especially valuable as a pioneer crop on poor, run down, badly washed fields.

The seed can be sown either in the fall or spring and about 20 lbs. of the hulled seed and 25 lbs. of the unhulled seed is required per acre. Per lb. 50c.

BURR CLOVER. (*Medicago Maculata.*) Is used mainly in the Southern states and in California. Fills in the season when other forage plants have become dried up by the summer heat. Stock of all kind feed upon the burrs, which contain a large portion of nutritious matter. If you will sow Burr Clover on your Bermuda Grass sod this will give you green pasture the year round. Disc over your Bermuda Grass then sow the Burr Clover in September or October.

Can supply both fancy re-cleaned hulled seed and seed in the burr. Sow 15 to 20 pounds of re-cleaned seed per acre and 30 to 40 pounds of seed in the burr per acre.

Price in the burr—25c per lb. Hulled, re-cleaned seed 40c per lb.

JAPAN CLOVER. (*Lespedeza atriatra.*) Low, perennial, spreading habit. Stands excessive drouth well; flourishes on poorest soil in southern states. Sow 15 pounds per acre. It makes a fair hay, and stock eat it readily when green. It is also valuable for turning under as green manure. Sow in spring broadcast at the rate of 25 pounds per acre. Per lb. 45c.

CRIMSON CLOVER. (*Trifolium incarnatum.*) An annual variety in common use in Italy and southern France for feeding green. Also largely grown in this country in Virginia. A good portion is now being used in Texas and adjoining states. Two to four weeks earlier than the Red Clover, and for that reason being more desirable. Immense yielder of fodder. Commences to grow at once after cutting and continues to do so until after frost. Height 1 foot; roots nearly black, and blossoms long and of deep carmine color. Makes good hay. Sow in the fall in southern country. Sow 15 pounds to the acre. Per lb. 30c.

Inoculate this
Seed with
FARMOGERM

RED CLOVER. (*Trifolium pratensis*.) Red or Medium Clover has long been considered the most important of the clover family. It is valuable both as a hay crop and a pasture crop, and is also beneficial to the soil. It is a well known fact that grain crops will yield more when they follow clover. It is very valuable for enriching worn-out soils but the trouble is that the soil is generally too much exhausted before the clover is sown. The better plan is to rotate your crops with clover so that the soil will not become too badly run down.

Red Clover will grow on any good corn land and when sown by itself the soil should be put in first class condition. It can be sown either in the spring or in the fall, but as it is not drought resistant in the early stages the moisture should be conserved as much as possible. It is generally sown broadcast at the rate of 12 to 15 lbs. to the acre. Per lb. 65c.

WHITE CLOVER. (*Trifolium repens*.) White Clover is excellent for pasture and is especially valuable for mixing with Bermuda Grass both for lawns and pasture. A few pounds of White Clover should be in all permanent grass seed mixtures as it helps fill up the bare spots and is very nutritious. White Clover will disappear at the approach of very hot weather, but will come back again with rain or seasonable weather. It is very hardy and is a perennial. Sow five to eight pounds per acre. Per lb. 75c.

GRASSES

Make More Grass in

SUDAN GRASS. The great hay and forage crop. This wonderful new Grass seems to be taking the country by storm. This grass has been grown very extensively in Texas the past season and has been tested out in a number of other states and the verdict is unanimous everywhere it has been grown it spells success. It seems to grow successfully on all kinds of land, stands dry weather and does not blight under ample rainfall. Sudan Grass is thought to be the original wild form of the cultivated sorghums. It is an annual, the Seed having to be sown every Stock of all kinds eat it readily and will leave other kinds of hay to eat it. Makes a splendid silage crop. In arid districts, it is usually planted in rows 36 inches apart. This requires 4 pounds of seed per acre. It is also sown broadcast where the rainfall is ample, requiring from 20 to 25 pounds of seed per acre. Lb. 15c. Ask for prices on large quantities.



Sudan Grass, Ferd. J. Rock Ranch, Uvalde, Texas.

RHODES GRASS. We are more than glad to offer to our trade this splendid new variety of Grass seed. It is very seldom that a new grass appears that it is specially valuable.

For the Gulf Coast sections all around the lower Rio Grand Valley, above Brownsville, Texas, we believe that Rhodes Grass will prove the most valuable grass ever introduced.

Rhodes grass came originally from South Africa, but is better known in Australia, where it has been grown for a number of years with success and has become a standard and much prized variety.

Stock eat Rhodes Grass greedily, either as hay or in its green state. It stands a fair amount of frost, will do with less moisture than perhaps any other grass that has been introduced into this country, and last but not least of its excellent qualities, is that it will smother Nut Grass. Price lb. 60c, per 100 lb. \$50.00.

WRITE FOR PRICE ON LARGE QUANTITIES

GRASSES—(Continued)

BERMUDA GRASS. (*Cynodon Dactylon.*) Almost everybody living in this section of the country knows this grass; it is planted as a lawn grass, and nothing will stand the sun better or will make a prettier carpet, when kept short, than this grass. It is also very valuable as a pasture and hay grass. It is only of late years that we have been able to obtain the seed of this grass, which heretofore had to be propagated by the roots, 6 pounds will sow an acre. Should be planted in the Spring, but can be also sown later. Under the most favorable circumstances it takes from 60 to 90 days to sprout; requires damp weather and hot sun; but when once up it grows very rapidly. Used extensively by levee contractors for planting in new levees. 6 lbs. to the acre. Lb. 85c.

BROMUS INERMIS or HUNGARIAN BROME GRASS. A Wonderful Drouth Register. A Grass for the Stock Raiser. All Cattle Like It. This pre-eminent drouth-resisting grass stands at the head of all, and is destined to lead as the most satisfactory and valuable forage grass in all localities where arid soils demand a plant with ability to stand the drouth. Stands intense cold equally as well. May be sown on autumn with winter wheat, or early in spring. In southern states sow in February and March, preparing lands as for other grasses. Blooms in north in June, and earlier in southern states.

Its nature is to stool out, and thus does not show its best until the second season. It seldom produces seed the first year. Aside from Alfalfa no grass has fulfilled the promise to the western farmer better than Bromus Inermis. It meets drouth as well as wet and cold, and for Texas we know no grass to equal it. Many of our large ranchers are planting it extensively.

For hog pasture mixture of Bromus Inermis and Alfalfa, where the latter succeeds well, is recommended by Prof. Ten Eycke of the Kansas State Agricultural College Experiment Station, and he also suggests for large pastures for cattle a mixture of the following per acre: Bromus Inermis, 10 lbs; Orchard Grass, 3 lbs; Meadow Fescue, 8 lbs; Red Clover, 1 or 2 lbs; added to the mixture. For worn out pastures he advises a disc early in the spring, following with a harrow and sow Bromus Inermis on the land, putting most on places where native grasses are most killed out. Lb. 50c.

ORCHARD GRASS. (*Dactylis glomerata.*) No farmer should be without a small field of Orchard Grass as in many respects it is superior to all other grasses. It stands the drought, grows well in the shade, does well in wet or poor ground and is splendid to prevent worn out fields from washing. This grass furnishes excellent pasture three weeks before any other and after close grazing ten days rest is sufficient for another growth. Cows fed on this will produce more and richer milk than on blue grass. It makes a very heavy sod and when well set remains for many years. It is especially adapted for winter grazing, as it remains green all season. It is well suited to sow mixed with alfalfa; an average of 12 lbs. Orchard grass 6 to 8 lbs. alfalfa seeds. Sow 20 to 25 lbs. per acre. Lb. 40c.

KENTUCKY BLUE GRASS. (*Poa pratensis.*) This is the standard grass in America for lawns and also for pastures. Blue grass is the base of practically all grass seed mixtures. It is perhaps a little slower than some other grasses but when once established it is permanent. It thrives best on limestone land. Sow 25 to 30 pounds per acre for meadows, and 60 to 80 pounds per acre or one pound for every 150 square feet for lawns. Per lb. 50c.

RESCUE GRASS. Most valuable as a pasture grass for high and dry situations. The nutritive quality of this grass cannot be surpassed and it is exceedingly relished by horse and cattle. Per lb. 25c.

ITALIAN RYE. (*Lolium Italicum.*) Surpasses the perennial rye grass in earliness and nutrition and rapid growth. Indispensable for alternating. Lasts only two years, and of no use for permanent pasture. Particular as to soil, a moist, tenacious, fertile and of medium consistency being considered the best. On such it is considered one of the best grasses cut green. Sow 30 to 40 pounds to the acre. Per lb. 25c.

PASPALUM DILATUM. From Australia. Just the thing to reclaim marsh-lands, and equally good to survive drought. It has been to the Australian dairyman what alfalfa is to the California dairyman. It survives extreme cold, and in Southern California it grows the year round, thus insuring green all winter.

Mr. Sullivan, dairyman of El Monte, planted it on land too wet and soft to allow his cattle to pasture upon it. Alfalfa would not survive. He sowed Paspalum on ridges between alfalfa checks. The first season only demonstrated it would grow throughout the winter. The second season proved its worth. It had seeded to a wonderful degree. The seed grew, taking root among the weeds and devil grass, choking out everything in its way. The dense tufts of grass made a thick mat capable of supporting the cattle. Mr. Sullivan cut it three times during the season, each time getting about one ton of dry hay to the acre. The stock relish it fully as well as alfalfa. It makes a fine hay free from any wood. It is as easy to eradicate as timothy or any other bunch grass. Seven pounds are required to plant an acre. Price—\$1.50 per lb. prepaid. Write for quantity price.

WRITE FOR PRICE ON LARGE QUANTITIES

GRASSES—Continued

PERENNIAL ENGLISH RYE. (*Lolium perenne*.) While this has long been highly esteemed in Europe and Australia, it has but recently been recognized by our western ranchers. It is worthy of all the praise given. As a pasture grass it grows thick and withstands drouth reasonably well. We have reports of its success as far south as Mexico City and in the far west, also in Old Mexico it is used extensively for lawns. Our new crop is carefully cleaned, and may be depended upon. For pasture sow in spring 25 to 30 pounds to the acre. For lawns 60 to 75 pounds to the acre. Lb. 25c. \$20.00 per 100 lbs.

MEADOW FESCUE or ENGLISH BLUE GRASS. (*Festuca pratensis*.) Especially adapted for permanent pasture. Grows 2 to 3 feet high, but not in tufts like orchard grass. Earliest and most nutritious of grasses. Makes good hay; cattle thrive on it whether in dry or green state. Succeeds even on poor soils, and as the roots penetrate deeply from 12 to 15 inches, it takes extremely dry weather to affect it. Will stand more freezing than any other variety, and yields an abundant crop of seed. Heretofore has been sown to but a limited extent, but the area is rapidly increasing each year. Sow 15 to 20 lbs. per acre. Lb. 50c.

LAWN MIXTURE. We consider this mixture better than straght Blue Grass. It is made principally of Kentucky Blue, White Clover, English Rye, Bermuda and some other grasses that will grow rapidly and make a good showing immediately. These coarser grasses will also protect the Blue Grass and let it get a good start.

The Kentucky Blue Grass and White Clover will eventually drive out the other grasses and make a fine lawn. This Sunflower Lawn Grass is made just as good as we know how to make it and we have had forty years experience with grass seeds. Lb. 50c.

NATAL GRASS. A distinct, strong-growing grass for Texas and all the Lower South. In the extreme South this grass is perennial and can be used for permanent pastures, but where it becomes frozen during the winter it will have to be seeded each year. As an annual it cannot become a pest, like Johnson Grass, but it gives a very heavy growth for a hay crop. Four tons to the acre can easily be made and it is a sure cropper. It resembles the great Sudan Grass in appearance and productiveness so you may rest assured that you will have a barn full of hay if you plant Natal Grass. In feeding value it is nearly as valuable as Sudan can be cut two and three times a year. Seed is very light and fluffy and requires about 10 pounds per acre for perfect stands. Natal Grass has been grown in Texas in a limited way over 20 years and is cut all through the summer and fall. It is a heavy yielder and much easier to cure than Sorghum or cow-peas. Plant in the spring as soon as danger from frosts is over, and we believe you will continue to plant it in the years to come. Try it on a large scale this year. It grows well as far North as Virginia on light soils, making heavy tonnage, and that's what we want for hay. Prices: 4-ounce pkt., 35c; lb., \$1.00, postpaid. Write for quantity prices.

TIMOTHY. (*Phleum pratense*.) As a crop of hay Timothy is probably unsurpassed by any other kind of grass. It is greatly relished by all kinds of stock, especially horses; yield more nutritious matter than any other forage plant or grass. Being an early grass it is well adapted to spring and summer grazing too. Sow 10 to 12 pounds to the acre. Lb. 20c.

JOHNSON GRASS. (*Sorghum Halapense*.) We find this grass winter kills in the northern states. A perennial, a rapid grower with long cane-like roots; the leaf stalk and pinnacle of this grass resemble those of sorghums. It is grown on any land where corn will grow. Ten pounds will sow an acre. Lb. 35c. Ask for prices in quantities.

ALFILARIA. Mr. J. J. Thernber, Botanist Agri. Exp. Sta., Tuscon, Ariz., writes as follows:—The forage plant known as "alfilaria" or "alfilerilla," also known commonly in Arizona as "filaree" is one of our most valuable late winter and early spring forage plants. At Tucson it begins growth during the winter months and is large enough to graze by March 1 or occasionally as early as February 15th. With favorable rains it continued growth until May when it dies down with the hot, dry weather. The forage is eaten by stock as long as there is any of it to be found on the ranges, even when it is dead and dry and broken into small pieces with trampling. The seeds are produced in abundance during the spring months and when abundant are easily gathered during May and early in June. They should be sown in the summer as soon as they are gathered or as soon after as is convenient.

This plant grows well in southern Arizona as a spring forage where the winter and spring rainfall equals 5 to 8 or 9 inches and where the winter temperatures are not lower than zero degrees F. With colder weather its growth is slower and begins later in the spring. It is perhaps the most abundant and valuable spring forage in Arizona where the altitudes are below 5,000 or 5,500 feet, and it is becoming more abundant year after year with continued grazing. So far as I know it has no serious faults. It is especially liked by sheep. The seeds get into the wool and reduce somewhat its value on the market. This is regarded as a very minor matter in Arizona. Write for prices.



Millet

MILLETS

COMMON MILLET. It is an annual grass with juicy, tender and luxurient leaves, much relished by all kinds of stock; makes good hay. Sow 25 to 40 pounds to the acre. Lb. 10c.

GERMAN MILLET. An enormous yielder. It has produced 4 to 5 tons of hay to the acre, and from 70 to 80 bushels of seed. It is sown in the spring on newly broken prairie, and after harvesting it leaves the ground in the finest condition for wheat. Sow 25 to 40 pounds to the acre. Lb. 10c

HUNGARIAN MILLET. It is of fine growth and makes excellent hay. It has numerous succulent leaves, which furnishes abundance of green fodder, taken by all kinds of stock. Sow 25 to 30 pounds to the acre. Lb. 15c.

MANITOBA or HOG MILLET. The seed is very rich and thus especially valuable as a hog food. A very much prized peculiarity of this millet is that the seed ripens while the stem is yet green, thus if cut promptly can be threshed for the seed, while the hay, after being threshed, will make excellent fodder. Sow same as other millet. Lb. 10c.

JAPANESE MILLET. Or "Billion Dollar Grass," as it is sometimes called, is of recent introduction, and great claims are made for it as to productiveness and value as a forage plant. Prof. Brooks, of the Massachusetts Experiment station, is quoted as saying: "At our station it produces 50 bushel of seed, 11,297 pounds of straw, 36,000 pounds of green fodder, 12,000 pounds of hay per acre, being superior to good corn fodder in feeding for milk, and in combination with the soja bean makes a very superior ensilage. Recommended highly for feeding dairy cattle, young stock and sheep, being very rich in nutritious elements. If sown in the latter part of April will be ready to cut hay for by the middle of July. Attains a height from 5 to 7½ feet, according to season. In drills plant 10 to 12 pounds per acre broadcast, 15 pounds per acre. Lb. 15c.

PEARL MILLET or PENCILLARIA. Immensely productive, 25 tons per acre. A native of Central America. It is an annual plant having long, broad foliage, and if allowed to develop fully will attain a height of from 10 to 12 feet, and bear numerous heads from 19 to 20 inches in length and 1 inch in diameter, completely covered with thousands of seeds, much relished by poultry. It is of rapid growth, throwing out from one plant numerous suckers, and if cut as soon as it reaches the height of 2 to 3 feet, it can be mowed from 4 to 6 times, according to the latitude, and yields several tons of hay to the acre. If allowed to grow 6 or 7 feet high, and cut when the flower heads begin to develop, it will yield the heaviest fodder crop per acre of any plant now in cultivation. For feeding it is equal to any fodder and is relished either green or dry, by all kinds of stock. Lb. 30c.

SIBERIAN or RUSSIAN MILLET. It is claimed to be the most wonderfully productive and satisfactory forage plant, possessing in a superior degree all of the essential merits of any of the older sorts—exceeding them by far—besides many other points of excellence that distinguishes it and render it a most valuable addition to the list of forages. If the claims are well founded it is destined to take front rank, if not to lead all the rest. Lb. 10c.

Put a top dressing of our pure bone meal on your pasture. The result will surprise you.

Seeds go at parcel post rates. See page 2

WRITE FOR PRICES ON LARGE QUANTITIES

TEXAS GROWN SEED CORN

SURCROPPER CORN. A truly remarkable drought resisting power. As old as is the history of corn-growing in the South and Southwest is the search for a corn able to hold up and make a crop on the scanty moisture which we have in so many fields at some period of almost every season. In Surcopper we have found that corn.

This remarkable corn first forced itself upon our attention in the memorable dry season of 1901, when the efforts of so many Texas corn growers were rewarded with total or partial failure. Surcopper made a good crop. Since that time it has had a brilliant history of success after success under dry-season conditions. In a comparative test with a number of other varieties at Austin, it made a crop in a season so dry that the other varieties did not even tassel. Its success under average conditions has been almost equally as notable. Lb. 10c. Write for prices.

SILVER MINE (90 days.) The stalk grows to a height of 7 or 8 feet, and set the ears about three and a half to four feet from the ground. The ears measure from ten to twelve inches in length. They are very uniform in size and shape, sixteen to twenty straight rows of deep, pure white kernels, on a small cob. It is the heaviest yielder we know, having yielded over 100 bushels to the acre. Seventy pounds of ears will make sixty-two pounds of corn. It is entirely distinct and will give satisfaction. Lb. 10c.

CHAMPION WHITE PEARL. (100 days.) The stalk is short and thick. The ears grow long on the stalk, from seven to twelve inches in length, almost parallel throughout, of medium size, averaging sixteen rows of grains. The grains are pure white, very deep, compact and heavy. The cob is small. By a test seventy ears weighed eighty-seven and one-half pounds, of which the cobs alone weighed only seven pounds. It makes superior quality of corn meal. We recommend it highly. Lb. 10c.

HICKORY KING. (110 days.) This is an entirely distinct variety amongst the white corn, combining the largest grain with the smallest cob. A single grain will completely cover the cob of an ear broken in half. It is a great yielder, giving more shelled corn to the acre bulk of ears than any other variety. It is satisfied with any kind of soil, and will produce good strong stalks, bearing two, and occasionally three good ears. A good drouth resister. We recommend it very highly. Lb. 10c.

HASTINGS' PROLIFIC. Hastings' Prolific Corn is a wonder in production of both grain and forage. It is the most prolific corn we have ever seen, the yield of grain and forage being enormous. It makes more ears and better ears, with longer, deeper grains. Hastings' Prolific average 16 to 18 rows. It has deep grains very closely set on a very small white cob. Sixty-five pounds of corn in the ear shells out one bushel or more. Grains rather flinty and a good keeper. Lb. 15c.



Texas White Ninety-Day Corn

TEXAS WHITE NINETY-DAY CORN. Needs no recommendation for a general field crop, being tested, tried and proven very satisfactory. Lb. 10c.

NATIVE GROWN JUNE CORN. (MAIS CHINACO). Introduced by us over a quarter of a century ago from Montemorelas, Mexico. It was then called Chinico; the proper name is Chinaco, meaning outcast. We think this is the grandest Outcast ever brought into this country. It is plantable Spring, Summer and Fall, maturing in 90 days and making roasting ears in 70 days. Lb. 10c.

NATIVE SQUAW CORN. A drought-resisting variety plantable in the summer months. It has blue and white grains, therefore not so desirable by the market gardener. However, it makes a sweet and very juicy roasting ear. Price: lb. 10c.

ACCLIMATED STRAWBERRY CORN. Good all around corn, more especially for feeding purposes, originating from the crossing of red, white and yellow stock. This gives it a very pretty appearance. Lb. 10c.



Mais Chinaco.

SEED CORN—Continued

RED CORN

BLOODY BUTCHER. (110 Days.) This corn resists the drouth better than any other variety. Ears long and of perfect shape. Grain deep red, having sometimes a yellow tip. Type is not entirely fixed. Lb. 10c.

YELLOW VARIETIES

ORDER EARLY. Our seed corn is all selected, tipped, butted and shelled. And above all it is tested for vitality and we know it will grow. Quality in seed corn is of great importance and if you want a good yield you must first have a good stand, and to get a good stand you must have seed of good vitality. Our seed corn is tested and can be depended upon.



Kaw Chief.

KAW CHIEF. The Result of Thirty Years of Selection. It took thirty years to produce Kaw Chief Corn. This is absolutely the best corn we have ever raised, and we are proud to offer Kaw Chief Corn to our customers. We raised a good crop in spite of the drouth, and have a nice lot of seed to offer.

The corn is of a deep golden yellow color, the ears are large, measuring up to 13 and 14 inches in length and have 16, 18 and 20 rows to the cob. The grower had in mind constantly not so much a very large ear, but an ear that was well filled at both top and butt, and kernels that were long and square shouldered. This is the kind of corn that yields heaviest when shelled. A bushel of Kaw Chief Corn on the ear will yield 58 to 60 pounds of shelled corn.

Kaw Chief Corn matures in from 95 to 105 days, and ordinarily yields from 75 to 80 bushels per acre and makes a good growth of foliage. It does well on both upland and bottom land.

We would advise you to plant some of this excellent variety and would suggest that you order early as our supply of Kaw Chief is very limited this season. Lb. 15c.

IMPROVED LEAMING. (90 Days.)

This is one of the earliest yellow dent corns in cultivation, ripening in 90 to 100 days from planting, surpassing the yellow Cuban flint varieties in earliness, productiveness and quality. The ears are large and handsome, with deep, large grains; orange, yellow color and red cob. Stalks medium sized, tapering gradually, producing two good ears, each of which husks and shells easily. Lb. 10c.

REID'S YELLOW DENT. (100 Days.)

Ears medium size, remarkably uniform in size and of a light yellow color, with a deep grain and small red cob. Best for shredding, as it shatters least of any. A sure cropper and a very reliable variety in all respects. Lb. 10c.

HILDRETH YELLOW DENT. (100 Days.) This corn is a very large growing variety. The ear is large and well rounded at butt and tip. The kernels are inclined to be small, but are very deep. Indentation medium rough; color deep golden yellow. Lb. 10c.

Our Corn is Southern grown. The varieties we sell are adapted to southern conditions and are the very best you can plant.

WRITE FOR PRICE ON LARGE QUANTITIES

SMALL ORDERS—WE LIKE THEM.

A seed order for 10 cents worth is not too small to be sent to us. All orders, large and small, are welcome at Huth's. We are glad to have your order, no matter how small, and the better results you will always get in your garden, always make it worth while to send to Huth's for the seed. Please don't think that a 10 or 50 cents order is too small to send to us. We fill tens of thousands of these small orders every year. They are always welcome and receive the same careful treatment and handling that larger ones do. Send your order in now.

See Pages 82 to 85 for Roses, Ferns and Plants.

SEED CORN—Continued

GIANT WHITE RED COB. Makes a very large ear of the finest corn. Grains very large, deep, wide and thick, cob red, very popular wherever tried. We recommend this as being the finest variety of White Red Cob Corn. Has a very large, deep, wide, thick grain. Ears of medium size. Matures in one hundred to one hundred and ten days. If you want a first class corn, you will make no mistake in planting the Giant White Red Cob. Lb. 10c.

CHISHOLM CORN. Chisholm is a very attractive variety because of its large, sound, deep, white, oily grains that completely cover a bright red cob. The ears are large size in favorable seasons, but if by chance very unfavorable conditions make them small, even the nubbins will show large attractive grains. Ears are stout, covered by a coarse, heavy shuck which protects the ears thoroughly. Lb. 10c.

BRAZILIAN or STOOING FLOUR CORN. This corn, as the name indicates, is inclined to stool, and one grain will produce in many instances more than one stalk. Each stalk bears two or three ears five to seven inches in circumference, nine to twelve inches in length and beautifully white. It produces an abundance of fodder, and is the best variety for ensilage. It yields 30 to 50 bushels of corn per acre, and the ears are fine for roasting although not sweet. It does not require a very rich soil and therefore the best variety for poor soils. The kernel contains more starch than any other corn, and ground and bolted by the same process as wheat, gives a fine flour that will make bread, biscuits, etc., the same as the wheat flour. Plant two kernels in a hill and cultivate the same as other corn. Three pounds will plant one acre. Lb. 15c.

**SACCHARINE SORGHUMS**

Cane or Sorghum is planted very extensively both for syrup and for fodder. It makes an immense amount of the finest kind of fodder which is relished by all kinds of stock. The Texas Seeded Ribbon and the Orange varieties are commonly used for making syrup, and the Amber and Red Top varieties for fodder.

Cane makes excellent pasture and when grazed down will spring up quickly again. It should be sown in the spring and will do well on thin land. Sown broadcast it requires from 1 to 1½ bushels per acre, and if in rows from 6 to 10 lbs. per acre.

Cane will make a good crop of fodder if sown as late as the middle or even the latter part of July.

TEXAS SEEDED RIBBON CANE or GOOSENECK SORGHUM. This variety makes the most and the best quality of syrup. Growers who have used it for that purpose are enthusiastic about it. The stock is not entirely pure and both Goosenecked and straightnecked plants appear in the same fields. Lb. 15c.

EARLY AMBER CANE. This popular and well known variety is the earliest and makes the finest quality of amber syrup and sugar. Succeeds well from Texas to Minnesota. Lb. 10c.

ORANGE CANE. A well known variety adapted to the southwest. It is from 8 to 10 days later than the Early Amber. Lb. 10c.

RED TOP CANE. Planted very extensively in the southwest. Smaller than the other varieties, but makes a large amount of fodder. Lb. 10c.

WRITE FOR PRICE ON LARGE QUANTITIES

FORAGE PLANTS—(Continued)

JAPANESE HONEY DRIP RIBBON CANE. This is a large, stocky and vigorous variety, maturing in 120 to 125 days. It sends up two to four stalks, which reach a height of eight to fourteen feet. The stalk is as large or larger than Gooseneck, and in quality it compares equally well to Gooseneck—to either of which all Sorghum can be compared in regard to sweetness. The seeds are plump, slightly larger than Sumac, and when hulls are removed seeds appear to be a dull reddish-brown color; and after the threshing process, are almost totally enclosed in a bluntly pointed, glistening red glume; heads are long and medium loose. This variety is lately introduced into Texas, where fields last year produced 350 gallons of the very best quality of syrup to the acre. This syrup is lighter in color and milder in taste than that of Sumac, Orange or Amber. Make the very finest kind of silage. Lb. 15c.

NON-SACCHARINE SORGHUMS**They Stand Dry Weather**

These varieties are especially valuable for their ability to withstand dry weather. Many farmers are trying, year after year, to raise corn when they do much better by raising such crops as Kaffir, Milo, Feterita, etc. These varieties will all yield as much grain as corn, will make excellent fodder; but the best point is that they will make a good yielder under conditions under which corn would burn up entirely.

It is a well known fact that when these grains are struck by dry weather they simply stop growing for the time being, and when they get more rain they go ahead and make their normal growth.

They make good material for filling silos and should be planted much more extensively especially in the regions of deficient rainfall.

They should be planted in rows like corn, planting about five pounds per acre, and cultivating like corn. They will grow on any corn land and also on land too poor for corn. The crop should be cut and shocked when the seed begins to glaze.

FETERITA. Feterita grows about five feet high on an average, and a crop of it growing looks very much like a crop of kaffir or dwarf white milo. The heads grow up straight like kaffir and about twice the size. The grain is softer than kaffir or milo grain and is liked better by all kinds of stock. Feterita matures from 40 to 60 days earlier than kaffir and is therefore well adapted to countries with short seasons, or can be grown as a second crop where the seasons are long, after the wheat or oat crop. After being tested in Western Texas for three years, it has been found a much greater drouth-resister than kaffir or milo. Last year, the dryest year the farmers of Texas have ever experienced, with less than three inches of rainfall for the entire year, Feterita grown by the side of kaffir or milo produced from 40 to 50 bushels per acre, while the kaffir and milo produced from 10 to 25 bushels. This year there is a difference of from 15 to 25 bushels in favor of Feterita. Feterita has the same feed value for feeding all kinds of stock or poultry that kaffir or milo has. Lb. 10c.

WHITE KAFFIR CORN. It makes a straight upright growth and has a strong stem with enormous wide leaves. The stalks keep green and are brittle, making excellent fodder, either green or dried, which is highly relished by cattle and horses. The heads form at the top of each stalk. For the grain sow in rows 3 feet apart, 3 to 5 pounds of seed to the acre. For fodder sow one-half to one bushel, either broadcast or in drills. Lb. 10c.

SCHROCK KAFFIR SORGHUM. This a comparatively new grain which was originated in Oklahoma and has been planted in Texas for several years. It is claimed to be one of the finest of the sorghums for forage and ensilage, as it is quite sweet and grows an abundance of broad, long leaves. It is a wonderful grain to stool out, not unusual for one seed to send up six to ten stalks, each making a fine head of large, light brown grains, which make an excellent stock and poultry food, one of the best drought registers of the sorghum family. Our seeds are acclimated. Drill at the rate of 3 to 5 pounds per acre. Price: lb. 10c.

RED KAFFIR CORN. This grows taller than the white; the stalks are more slender, but more juicy and very leafy. The heads are long, slender, compact, and grow very erect; they measure from 8 to 15 inches. The seed is red, smaller than that of the white, and rather hard and brittle. It does well on poor land and yields well. It ripens a little earlier than the white variety. Lb. 10c.



Feterita

ASK FOR PRICES ON LARGE QUANTITIES

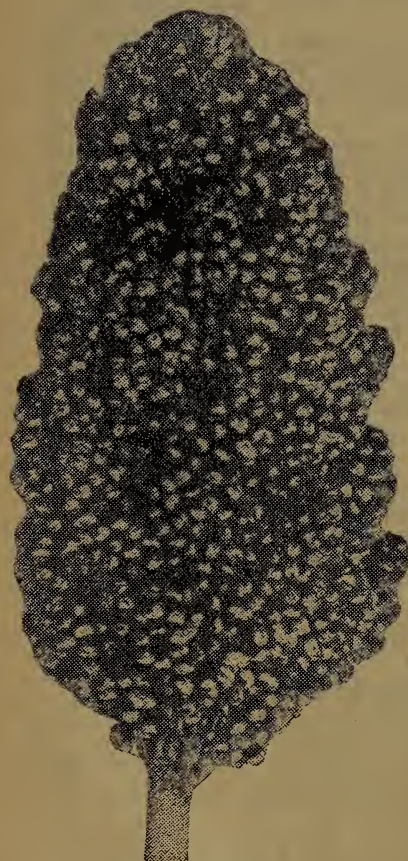
FORAGE PLANTS—(Continued)

DWARF BLACK-HULL WHITE KAFFIR. There has been a constant demand the last four years for Dwarf Kaffir corn. This year we are able to supply it. The value of the Dwarf Kaffir over the tall is apparent. In the first place the Dwarf Kaffir can be harvested with a grain header. By being able to harvest Kaffir in this manner a considerable saving in labor is effected. In the second place plants of dwarf stature expose less surface to the sun, and therefore can get along with less water. Lb. 10c.

SHALLU OR EGYPTIAN WHEAT. This grain grows something like Broom Corn. It stools out from the root, making from three to six stalks. It has been planted in almost every section of Texas and has produced splendid crops. It is very productive, making an enormous yield of grain and fodder, and has given great satisfaction to every grower. Shallu or Egyptian Wheat should be sown in drills three feet apart, using from five to ten pounds of seed per acre. Lb. 10c

HEGARI, THE NEW GRAIN SORGHUM. Some years ago when Kaffir Corn, Milo Maize and Feterita were introduced into the dry-land farming crop catalog many people probably imagined that the limit in grain sorghum development had been reached; but that is almost certainly a mistake. We have abundant reason to hope for greater things yet. The new grain Sorghum Hegari, while it is too recent an introduction to justify settled conclusions, certainly promises in some respects, to out-merit all of its predecessors. Lb. 15c.

JERUSALEM CORN. (White Durra.) It is pronounced the best and surest grain crop for dry countries and seasons even better than Kaffir Corn, Dourrha and Milo Maize. It grows about five feet high, makes one large head on main stalk and several smaller heads on side shoots. Have seen as high as eight heads on one plant. The grains are pure white, and nearly flat. Three pounds will plant one acre. Lb. 15c.



Milo Maize

DWARF STRAIGHT-NECK MILO. Dwarf Milo was thoroughly tested by the drought of 1913 and it stood the test. What would have you given last fall for a field of Dwarf Milo yielding about 50 bushels per acre?

The original Stock Seed was obtained from the U. S. Department of Agriculture and has been carefully selected and acclimated. It differs from the Standard Milo Maize in being dwarfed, growing from 3 to 5 feet high according to the amount of rainfall, and it is straight necked. The advantage of this straight-necked feature is apparent in gathering, feeding and cutting the heads. This strain is earlier than Kaffir Corn and Standard Milo Maize. The yield is from 60 to 100 bushels per acre. This will stand great drought and for this reason is admirably adapted to dry land farming.

The Dwarf Milo Maize should be planted the same as Kaffir or Milo and cultivated the same as Indian corn. It can be fed in bundles or in head to work horses, cattle and hogs. Stock seem to prefer it to corn, and it has a laxative effect on them, keeping them in good condition.

While our stock is especially selected for straight necks, owing to the constant tendency to revert to the crook necked type, there will be a few crook necked in the field. Lb. 10c.

WHITE MILO MAIZE.—This new grain which was introduced about three years ago is gaining favor very rapidly on account of the fact that it shows it can stand a great deal of dry weather and still produce a first class crop. As dry a year as the past has been, a farmer in West Texas writes that he made a crop which produced nearly one hundred bushels of seed per acre. It is claimed that the White Maize is about ten days earlier than the Yellow and is more drouth resisting, and that it will make a crop with very little rain. One seed has produced as many as eight stalks, producing eight well-matured heads. It usually grows about five feet high. About eight to ten pounds of seed are required to sow an acre in drills. There promises to be an enormous demand for this splendid grain this season and we would, therefore, strongly recommend our customers placing their orders early before the supply is exhausted. Lb. 10c.

YELLOW MILO MAIZE. (Milo.) Growth is tall, 9 to 12 feet, stooling from the ground, like White Milo Maize, but not so much. It sends shoots also from the joints. Seed heads grow to great size, often weighing $\frac{3}{4}$ of a pound, sometimes a full pound after ripening. On account of its branching habits this grain should be planted in rows 4 to 5 feet apart, and 2 to 3 feet in the drill, or 2 plants in a hill, 3 to 5 feet apart. Lb. 10c.

WRITE FOR PRICE ON LARGE QUANTITIES

DWARF ESSEX RAPE. Main standby of the English farmer in raising choice mutton. Perfectly hardy and of remarkable fattening properties. Easily grown. One acre will pasture 36 head for two months, lambs will make a gain of from 8 to 12 pounds per month. Pigs and cattle are also extremely fond of it. A very rank grower and bears heavy manuring and high cultivation. Sow at intervals of several weeks and secure a supply of good feed. Sow in June. Rape should be fed in August, though if a first crop be cut about four inches from the ground an after growth would be useful later. Does well sown with oats. If soil is clear and clean sow broadcast, otherwise in drills, and cultivate same as corn. Poultrymen will do well to sow a small patch to feed green to growing chicks. Can be sown on wheat stubble, furnishing excellent pasture late in the fall. Broadcasted it takes 8 to 10 pounds to the acre. Lb. 20c; Ask for prices on larger quantities.

TEOSINTE. Recommended as the most prolific forage plant yet introduced. The stalks containing much saccharine matter, are very nutritious. It can be cut several times during the season, yielding enormously. One seed will sometimes produce 20 to 60 stalks or shoots, and the warmer the climate the better it yields. Should not be planted until the soil is perfectly warm in the spring. Requires about 4 pounds of seed to the acre. Plant in drills three feet apart and two or three seeds every 12 inches in drill. Oz. 15c; ½ lb. 75c; lb. \$1.25.

THE OKLAHOMA DWARF BROOM CORN. Originated in Oklahoma. Most valuable strain grows here and in the Southwest. Quite distinct from all others in earliness. Of robust habit and extreme productiveness; brush long and well fibred, and is a drouth resister. On new breaking it does splendidly, leaving the ground in prime order for fall wheat crop, only slight disking needed to prepare for seeding. Averages five feet in height, making it convenient for pulling brush. It is a great yielder; one of our Texas growers reports several fields yielding 1 to 3 tons fine long brush; seeds may be left to ripen on brush without injury to latter, removing danger of heating from immature seed bins. Stalks make excellent fodder if cut at once after brush is pulled. Planted in drills 3½ feet apart, leaving 6 inches apart; 5 to 10 pounds to an acre. Lb. 10c.

SOYA BEANS

The Soy Bean is a legume, and in nutritive value is equal to red clover. As a soil improver, it is excellent: This plant will grow on a wide variety of soils, but the richer the soil the larger the yield of forage. Prepare the soil the same as for corn. Drill the Soy Beans in, from three pecks to a bushel and a half of seed per acre, after corn planting time. The heavier seeding is where the crop is grown for hay or pasture. A common drill can be used with the oat feed opened, and enough of the holes stopped up to give the proper distance between rows.

EARLY YELLOW SOYA BEANS. Lb. 25c.

LATE MAMMOTH SOYA BEANS. Lb. 15c.

MAMMOTH BLACK SOYA BEANS. Lb. 15c.

TEPARY BEANS will make a fair crop in 75 days and a good crop if they have 90 days. If it is struck by a drouth, it will ripen the pods already set and when the drouth breaks it will set and ripen a new crop.

Under ordinary dry farming conditions they yield from 450 to 700 lbs. per acre. The beans are white, cook well, have a delicious flavor.

They have been grown by Indians for thousands of years without irrigation with an annual rainfall of 9 inches. Lb. 10c.

MEXICAN PINK FREJOLE BEAN. This ideal field and garden bean is commercially known, due to its great production in Texas and California. Plant during March and April or in August. Lb. 15c.

PINTO FREJOLE BEAN Similar to the Pink Bean in shape but speckled in color. It has reclaimed thousands of acres of waste, dry land in Arizona, New Mexico and Texas. Good dry land farmers report yields of 500 pounds per acre with only two rains during the growing season. Lb. 15c.

MONG BEAN For livestock, poultry and the table. It belong to the legume family. On good soil it grows to a height of 18 inches, branching and standing erect instead of falling on the ground. It matures beans in 60 to 80 days, and may be planted from March to the middle of September. Pkg. 50 cents, postpaid.

GRAND VALLEY WHITE EGG BEAN. The most excellent string and shell variety for both green and dry use. The vines grow very heavy, spreading over the ground for a distance of 2 to 3 feet. In production the White Egg will yield three times the same amount of dry beans as any of the navy types. Pkg. 50 cents, postpaid.

FIELD PEAS

CULTURE. Field Peas deserve more general cultivation. They are equal to corn in fattening hogs and are ready for feed several weeks earlier. Can be sown advantageously with oats or will do well alone. As a land fertilizer they are very beneficial. For such the crop should be plowed under when they begin to bloom. They will grow on most any kind of land.

WHITE SEEDED GOLDEN VINE. lb. 15c.

GREEN SEEDED CANADA. lb. 15c.

Ask for market prices on large quantities.

Cow Peas

Everybody's Clover—Food for Man and Beast

Cow peas are too familiar to every man and woman to need description. The character of growth in the many different varieties is quite varied. They are usually planted any time after corn planting season is over, up to the first of August. Some varieties are highly esteemed for garden use; others for making hay and enriching the land. The supply of seed of the different varieties is very uncertain. Send for special quotation on large orders. We can usually furnish the following varieties and often others:

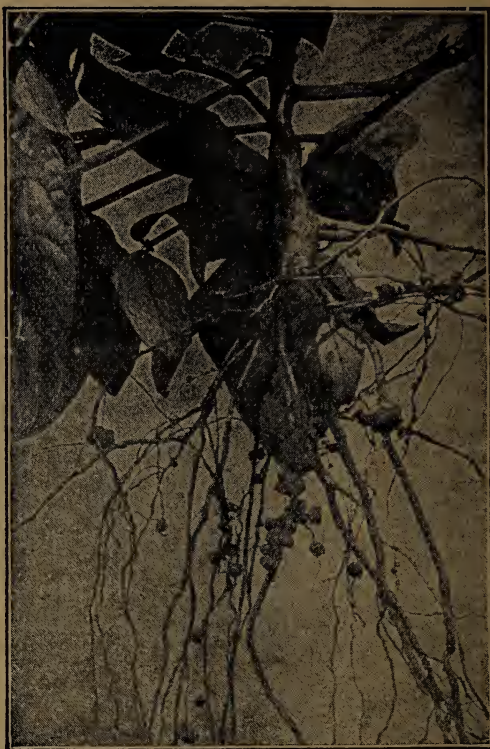
WHITE CROWDER. $\frac{75}{100}$ Lb. 15c.

BLACKEYED. Lb. 10c.

CREAM or LADY. Lb. 15c.

WHIPPOORWILL. $\frac{75}{100}$ Lb. 15c.

BROWN CROWDER. Lb. 15c.



Nitrate sacks on the roots of Cowpeas. This fertilizer value is the result of the use of Farmogerm.

WRITE FOR PRICES ON LARGE QUANTITIES

INOCULATE THE SEED

And Help the Crops Grow the Highest Priced Plant Food



**High-Bred Nitrogen-Gathering Bacteria
for Clovers, Alfalfa, Beans, and Other Legumes**

FARMOGERM bacteria have been bred up for eleven years in the laboratory by a great expert having been grown, sorted and developed until they are many times more active than the ordinary bacteria you find in the soil.

Note the bottle with the Patented Ventilating Stopper. This insures the bacteria being alive and active for at least five years.



This exclusive *FARMOGERM* feature is your insurance for thorough inoculation. *FARMOGERM* is always fresh... It is easy and simple to use. Full directions are on every bottle.

5-Acre Size-\$8.00

1-Acre Size-\$2.00

1-4-Acre Size-50 cents

SEED INOCULATION



Spanish Peanuts

yield per acre is very large. Can be cultivated with the plow. Because of its early habit and easy cultivation it is the best variety to grow for fattening hogs. Lb. 15c.

SAND VETCH. (*Vicia Villosa*.) Sometimes called Hairy Vetch or Winter Vetch.

This is one of the most valuable plants for forage and fertilizing purposes. It will succeed and make a good crop on good land. It is perfectly hardy throughout the United States and remains green all winter. Vetch belongs to the same family as Alfalfa and Sweet Clover, and has the same ability to gather nitrogen from the air and store it in the root system. The roots are very extensive and add a good deal of valuable material to the soil. It thus improves the conditions and the productiveness of the land for the crops to follow.

It is an excellent catch crop, makes good hay, silage and pasture. Vetch can be sown from July until November, and should be sown broadcast at the rate of about 30 lbs. per acre together with one bushel of either oats or rye. Vetch grows quite tall and needs the oats or rye for support. They then make a better growth, and are more easily harvested and cured. For a hay crop the Vetch should be cut just after the Oats or Rye has headed out. The yield of green fodder is immense. Lb. 35c.

SPRING VETCHES OR TARES.

Similar in growth to Sand Vetch but for spring planting only. Lb. 25c.

JERUSALEM ARTICHOKE.

A well known vegetable produced from tubers like potatoes, which they resemble somewhat. Excellent food for stock. Do best in light rich soil, when an open exposure, but they will resist any degree of cold incident to the United States. Planted like potatoes and as early as the ground will permit in May. Can remain in ground all winter as freezing does not up to 500 bushels per acre. Lb. 10c.

PEANUTS

The tops of the plants make good hay, and in the southern states it brings a very good price. The yield, even in dry seasons, is from one-half to three-quarters of a ton of hay and from fifteen to sixty bushels of nuts per acre. The whole peanut plant makes nice feed for forcing cows to a high yield of milk and for rapidly fattening cattle and hogs, especially when combined with grain of Milo. A common method of harvesting is to let the hogs gather the nuts. The Spanish Peanuts are generally planted when wanted for farm use. The nuts are small but they stand dry weather better.

Peanuts do best in light sandy loam. They should be planted in rows from 28 to 36 inches apart and from 9 to 16 inches apart in the row. They need not be shelled but should be soaked in warm water for a day or so and then planted at once in warm soil. Planting should not be done until weather is good and warm. They should be cultivated and kept clean until they begin to peg or form pods. After that they should be left alone.

It takes from one peck to a peck and a half of shelled nuts and from a bushel to a bushel and a half in the shell to plant an acre.

WHITE JUMBO.

This is the standard variety for roasting. The peanuts are three times as large as those of the ordinary Spanish peanut. The nuts proper grow in fine double jointed hulls of beautiful white appearance, are from $\frac{1}{2}$ to one inch in length, and of fine flavor. An excellent variety worthy of the highest recommendation. Lb. 25c.

TENNESSEE RED PEANUTS.

This is the best of all varieties adapted to the soil of Oklahoma and Texas. Pods contain four and five large nuts. Better yielder than any other variety. Lb. 25c;

SPANISH.

The earliest variety grown, pods are small, but remarkably well filled and solid, and



Jerusalem Artichoke.

WRITE FOR PRICE ON LARGE QUANTITIES

SUNFLOWER, MAMMOTH RUSSIAN. Single heads measure 15 to 20 inches in diameter, and contain an immense amount of seed, which is highly valued by all farmers and poultry breeders who have tried it as an excellent and cheap food for fowls. For poultry it is the best egg producing fruit known. It can be raised cheaper than corn, and is destined to be an article of great value. Every farmer should plant some of the seed in any waste piece of ground any time from early spring to the middle of July. Three pounds of seed will plant one acre. Lb. 20c.

MISCELLANEOUS FIELD SEEDS

We give special attention to our grain, procuring them from reliable growers who select for seed. We then reclean the grain in our warehouses. We do not give prices in the catalog as these prices fluctuate with the market. Ask for market prices.

BARLEY

Sow 50 to 60 pounds per acre. It is an unquestionable fact that Texas produces Barley much brighter in color than countries having much rain.

CHAMPION BEARDLESS BARLEY. A new beardless barley, earliest barley known, about ten days earlier than other kinds. A good yielder, six-rowed and strictly beardless. It can be handled as easy as oats. This barley is not strictly pure and has a few bearded heads in it. Lb. 10c.

TEXAS WINTER BARLEY is the best variety for the Southwest. Barley is often an excellent crop, not only for grain, but to furnish winter grazing for the horses, cattle and especially hogs and poultry. It is strictly a winter barley and withstands the severe weather. It is recommended above all others for early and late fall planting. We call this variety "Texas Winter Barley" at the suggestion of Prof. H. B. Derr, Barley Expert of the U. S. Department of Agriculture. It is quite similar to the famous Tennessee Winter Barley, but is more resistant to the cold than the later. Barley is a profitable and safe grain crop and highly desirable for winter grazing. Lb. 10c.

Ask for market prices in quantities.

OATS

Sow 50 to 65 pounds per acre. No crop gives better results by change of seeds than oats. If you have been re-seeding the same strain for several years now is the time to change. Do not compare our select, re-cleaned strains with the common oats frequently offered as seed oats.

RED RUST PROOF. Largely grown in this state. It is a heavy yielder and sure cropper and entirely rust proof, makes a very heavy grain. The stock in this variety is Texas grown from stock obtained from Texas, which will, we are sure, prove satisfactory.

Ask for market prices.

TEXAS GROWN HASTINGS 100 BUSHEL OATS. For an all-round general purpose oat you will find nothing that can compare with it. Planted in the fall it is almost as hardy as rye, stools out strongly, makes the best of winter and early spring grazing for cattle hogs, horses and mules. It's a true strain of southern oat, "rust-proof" to a remarkable degree and adapted to the South. Grains are exceptionally large and heavy usually weighing 40 pounds or over to a measured bushel. It's just the oat for you, a Southern thoroughbred, an oat that you can depend upon. No matter where you live in the South it's the right oat for fall planting.

FULGHUM OATS. This new variety is becoming very popular on account of its ability to stand cold, depth of root system, freedom from beard, sturdy upright habit, and being two weeks earlier than any other variety of oats. We recommend them for fall planting.

ASK FOR MARKET PRICES.



Oats

GRAINS—(Continued)

GENUINE HARDY WINTER EMMER. Black Seed. There is no grain crop that has received such flattering reports from the United States Department of Agriculture as Winter Emmer. Seed is sown about the same time as winter wheat and the soil should be prepared in the same way. Emmer will stand more dry weather than oats will, and will also out-yield oats. Seed that we offer yielded 50 bushels per acre. In feeding experiments Emmer has been found to be better than barley or oats. Will also make an abundance of fine pasture. The plants are very hardy and produce rather coarse leaves that are resistant to the most severe drouth. It is therefore a crop that is well adapted to the general conditions of Oklahoma, Texas, Kansas and Mexico. It requires about 50 to 60 pounds of seed to sow an acre.

MIRACLE WHEAT. This wheat, as the word indicates, is of most remarkable growth. There are instances where it made twice as much wheat to the acre as other wheat sown on similar land and under similar conditions.

It is pure, soft, bearded wheat, and has been tried in Texas long enough to prove its excellent quality, and from the fact that it grows very rank on the ground, making good pasture, has a large, plump berry and does not shatter like Mediterranean, grows taller than other wheat. We believe it to be the best wheat for this country.

MEDITERRANEAN BLUE STEM BEARDED. We have secured some very fine seed of this celebrated variety of wheat, which is so popular in Texas. Write for prices and samples in large quantities. All grain prices subject to market changes.

MACARONI WHEAT "KUBANKA" A Spring Wheat. A Wheat that will Grow where other varieties fail. The last three seasons have brought to us many samples of Macaroni or Durum Wheat to be tested. We have followed the experiments very carefully and now we are convinced the variety "Kubanka" is the most satisfactory. The variety is no longer an experiment for yield or quality or grain. In fact we hear nothing but praise of its wonderful drouth resisting qualities and heavy yield. The reports of yields are from 28 bushels to 45 bushels per acre and many report such yields without irrigation.

Ask for market prices.

SPELTZ OR EMMER. A grain for dry lands introduced from Russia. This is a remarkable grain, and should receive the attention of all farmers. It is a species of drouth resisting Barley, and not inclined to rust. It will produce a fair crop under almost any condition of climate but grows best in dry prairie regions with hot summers, giving excellent results. Thrives on poor land in stony ground. The experiment stations of both Dakotas report that it resists drouth more than oats or barley. All animals eat it greedily and are fond of the straw. It will undoubtedly become a regular valuable crop for stock feed. Sow 70 to 80 pounds per acre very early. same as barley or oats. Our seed is Texas grown and acclimated.

Ask for market prices.

GENUINE TEXAS GROWN WINTER RYE. All rye which we handle is strictly winter rye and perfectly hardy. It is Texas grown rye and adapted to this entire section, either for winter grazing or grain production. With half a chance it almost invariably "makes good" wherever planted in the South. Every bushel of rye that goes out from this house is right stock. We know exactly from where it comes. Every bushel of it goes through our recleaning machinery, which takes out all dust, trash and light grains that are left in the threshing machines. It's exactly what you need to make a successful rye crop next winter.

Prices of seed grain of all kinds are liable to change from time to time. Write for quantity prices when you are ready to buy.

ROSEN RYE. Its remarkably rapid growth so soon after planting attracts the attention and a small patch would be interesting.

We have grown it for three years and do not hesitate to say that it is as far ahead of the Texas rye as the Texas is ahead of Northern rye; in spite of the extreme dry weather this spring it grew shoulder high and made a splendid crop.

The Rosen Rye stools out quicker and heavier than any rye we have ever seen and quickly covers the entire ground. It can be pastured a month to six weeks earlier than other varieties of rye or oats.

So far as we can learn it has succeeded equally well on stiff clay lands and the sandy lands of the Lower South.

For the dairyman this quickness of being ready to pasture will make it invaluable, and for all others it is certainly well worth while planting a variety that will make 50 to 100 per cent. more pasture or hay in a season than the older sorts. We believe that the Rosen Rye will, in time, displace all other varieties of rye in the South, and you certainly ought to get a start of it this fall.

Pound, postpaid, 15 cents.

COTTON SEED

We obtain our stock from the originators and breeders only. This enables us to supply you with the pure strain. Let us ship you a few bushels with your next order. One bushel of seed will plant three acres.

MEBANE TRIUMPH

A great many innocent people in buying Mebane cotton seed just because the bags bear the name, "MEBANE COTTON SEED," are under the impression that the seed are buying are direct from the A. D. Mebane Cotton Seed Co.

For the guidance of those who are desirous of securing pure seed let us warn you to be sure that the bags containing the seed are banded. Every bag of cotton seed put up by us is stenciled.

Ask your dealer in your town for seed from the A. D. Mebane Cotton Seed Co., and if he does not handle them direct, then write us and we will gladly furnish you prices on any quantity you may need. Bushel of 32 lbs. \$3.50.

ROWDEN FANCY BIG BOLL—This variety was introduced in 1903, and is planted very largely all over the South. It is a big boll, five lock cotton, very easy to pick. Very productive. Bushel 32 pounds \$3.50.

LONE STAR COTTON—(A cross between Rowden Bill Boll and Sea Island long staple)

In offering you our Lone Star Cotton Seed, we feel confident that no better Lone Star Cotton Seed will be placed on the market this season. Our farm which grows our seed, is situated about 14 miles southwest of Corpus Christi, Texas, which plantation is this year growing 2000 acres of Lone Star Cotton, from first year's seed.

This farm this season is producing a bale of cotton per acre and all of it will be ginned on the private gin on the plantation and seed will be kept absolutely pure. We do not hesitate to recommend these seed, believing as we do, that its net yield and staple is not surpassed by any cotton now grown in Texas. Bushel of 32 pounds \$3.50.

KASH PEDIGREE COTTON SEED—The parent stock of this high grade cotton is noted for the following characteristics: the stalks are stocky, long limbs, short joints, heavy fruiting, evenly distributed. It is the deepest rooted of all cotton and therefore drouth resisting. Its early maturing feature makes it a desirable cotton to plant in regions infested with boll weevil or other enemies to cotton; it is the most prolific cotton known producing large five lock bolls of a high lint per cent and by reason of their drooping position are both easily picked and storm resisting as bolls that droop will not flare when wet, and will shed water and prevent cotton from staining in the burr. This cotton is the greatest combination of a high lint per cent and superior staple known. Bushel of 32 pounds \$3.50.

TRUITT COTTON—Many of you who are not growing Truitt Cotton will admit that you have never produced a real crop of cotton since you quit growing the old Texas Storm-Proof. Truitt Cotton is simply the old Texas Storm-Proof, sometimes called the Bohemian Big Boll, improved by seventeen years of practical and scientific breeding. All of the desirable points of the old Storm-Proof cotton have been retained and improved—all the undesirable ones eliminated. Bushel of 32 pounds \$3.50.

REMARK FOR A DISINTERESTED PARTY—From observations it appears that there are four (4) varieties of cotton that make up the bulk of the acreage planted in Texas. These are:

MEBANE, ROWDEN, LONE STAR, KASH.

Mebane and Rowden seem to be the oldest and best known, and are planted throughout the state. However Mebane seems to be replacing Rowden in a number of sections. The Rowden cotton has an excellent boll and good staple especially so when grown on the sandy soils of East and North-east Texas, but the seed are so large that more seed cotton is required to make a bale of lint than the other varieties, and it is for this reason that Rowden is being replaced by other varieties.

Lone Star cotton has been highly recommended by the Federal Government and comprises a large part of the planting in that section of the state between and around Temple and Waco.

Kash cotton is found to be grown by individuals in practically all sections of the state, and as to yields has been reported not to differ greatly from Mebane.

Around Paris and other sections of north Texas a variety known as Bennett Big Boll is grown to some extent. Practically all the big planters around Dallas and Fort Worth and in the Brazos valley, grow Mebane exclusively. In East Texas Rowden and some varieties of long staple are largely grown.

FERTILIZERS

GROUND BONE 3% Ammonia, 50% B. P. L. One of the best lawn dressings. Decomposes rapidly, yet is a good fertilizer through the second season after using. Can be applied at any time, but is more effective if used in early spring. Produces a thick, luxurious turf. 2 Lb. 15c.

DRIED BLOOD 12% Ammonia. Recommended where a highly nitrogenous fertilizer is required. Very quick-acting and permanent in its effect. Lb. 15c.

NITRATE OF SODA 18 $\frac{1}{4}$ % Ammonia. A fertilizer very quick in action and used for the nitrogen it contains. Creates rapid growth, is odorless, very quickly and entirely soluble. Should be applied only when plants are above ground. Great care should be exercised in its use as it is one of the strongest fertilizers known. Will mature a crop several weeks earlier and greatly improve it. Has been used with excellent results in Texas. Lb. 10c; 3 lbs. 25c.

GUANO. This is a highly nitrogenous fertilizer rich in plant food and an excellent material for increasing growth and a profusion of flowers and fruit. Lb. 10c; 3 lbs. 25c.

ACID PHOSPHATE 16% Phosphoric acid. Idea fertilizer for Tomatoes and general vegetation. Lb. 5c.

GROUND TANKAGE 7% and 30%. Good fertilizer for most vegetables such as Cabbage, Collards, etc. Lb. 10c; 3 lb. for 25c.

LIME FOR DISINFECTING. 40 lb. bag 50c.

FERTILIZER LIME. 50 lb. bag 45c.

WRITE FOR PRICE ON LARGE QUANTITIES

STIM--PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office

PLANT FOOD IN TABLET FORM

THE MODERN EFFICIENT AND SCIENTIFIC METHOD OF FERTILIZING ALL KINDS AND CONDITIONS OF GROWING PLANTS IN HOME GARDEN, ORCHARD AND ON FARMS.

STIM-U-PLANT—is a 26 grain tablet with a guaranteed chemical analysis of 11% Nitrogen, 12% Phosphoric Acid and 15% Potash. No other plant food contains anything like as high an analysis as this. Stim-U-Plant tablets are composed of water soluble materials of great feeding power and of known weight and percentage of plant food.

STIM-U-PLANT tablets should be used directly in the soil at the base of the plants or dissolved in water and applied to the soil. Do not spray on the foliage. No matter how rich the soil may be, these wonderful little tablets will help the plants along.

STIM-U-PLANT Tablets are packed in four sizes:—

Trial Size	15 cents	Containing 10 Tablets	Medium Size	75 cents	Containing 100 Tablets
Small Size	25 "	" 30 "	Large Size	\$3.50	" 1,000 "

INSECTICIDES

CONCENTRATED BORDEAUX MIXTURE PASTE. Too much credit cannot be given to the merits of Bordeaux Mixture. Use it all the time and on all occasions, where blight results from fungus or microscopic insects. It is a good tonic for all sick plants.

A half-pint of Concentrated Bordeaux Mixture Paste will make 3 $\frac{1}{4}$ gallons of Government strength Bordeaux Mixture by simply adding water. Price: $\frac{1}{2}$ pint 55c; pint \$1.00.

CARBOLA is a white paint in powder form combined with a disinfectant many times stronger than pure carbolic acid. It is non-poisonous and non-caustic. It kills lice, mites, fly eggs, etc., and helps prevent the start and spread of contagious diseases that affect man, beast and fowl.

Price: Trial pkg., 25c; 10 lb pkg., \$1.50; 50 lb. bag, \$5.00. Postage on trial package 10c.

INSECTICIDES—(Continued)

IT STICKS. IT STAYS. IT STIMULATES. IT SAVES.
WHAT? WHY?



Reg. U. S. Pat. OFF
Pat. March 16 and Nov. 9, 1897.

BUG DEATH. The Insecticide which kill^s most bugs and worms that eat the leaves of plants, trees, and vines; protects from injury by the flea beetle is especially valuable for potato, tomato, squash, and cucumber vines, currant and gooseberry bushes, strawberry plants, etc.; helps to ward off Blight, commonly known as Rust, on these vegetables and berries.

It saves beets from wormy leaves, celery from rust, asparagus from injury, cabbages and cauliflowers from destruction.

BUG DEATH is a fine powder which may safely be used on all plants, trees, and vines, as **IT CONTAINS NO PARIS GREEN OR ARSENIC IN ANY FORM.**

In careful tests with Irish potatoes those on which **BUG DEATH** was applied yielded 67 5-9 bushels more per acre than those treated with Paris Green. At an average price of 50c per bushel; this means more profit for the planter.

Full directions for using, both dry and in water, on each package. Give this preparation a trial, and be convinced of its merits.

IT STICKS. IT STAYS. KILLS BUGS. AND PAYS

Considering a proportionate increase of profit on other vegetables, can you afford not to use **BUG DEATH**? Price, 1 lb. sifter top carton, 30c postpaid. Ask for prices on large quantities. To apply **BUG DEATH** in dry form use

SLUG-SHOT

**THE DICKEY BUG DEATH
DUSTER**



Excellent for small gardens. Puts the powder just where you want it. Price 50c. Postpaid 60c.

SLUG SHOT. Hammond's Slug Shot. It kills potato bugs in all stages of growth, except in the eggs. It kills the black fleas on cabbages, turnips, beets, radishes and egg plants. Apply by dusting over the plants. It kills the cabbage worm and also the currant and gooseberry worm, the aphid or green fly on roses and other flowers. Has prevented the ravages of the curculio and canker worm on fruit trees, has likewise been used around beans, melons, squashes, etc., with great success. Keeps the striped bug from all vine crops.

For Slugs on Roses Slug Shot is a sure killer. Apply with a bellows after a dew or rain, on both under and upper side of leaf. Price, postpaid, lb. pkg. 30c.

QUICK LOADER POWDER GUN used for powder insecticides. Small size 15c, postpaid.

"BLACK LEAF 40"



"Black Leaf 40" is a concentrated solution of Nicotine Sulphate, manufactured and guaranteed to contain not less than 40% of nicotine by weight. It is perfectly saluble in cold water; does not clog the nozzle nor corrode the spray outfit; can be combined and applied with Lime-Sulphur, Bordeaux, Pyrox, Arsenate of Lead, Atomic Sulphur and such sprays. It is highly recommended by the state and government experts.

"Black Leaf 40" is used as a safe and effective spray for plant lice(aphids), thrips leaf-hoppers and similar insect pests in the truck garden, orchard, flower garden, grove, park, vineyard, etc.

	Price
1 oz., sufficient to make 6 gal,-----	\$0.25
1/2 lb., sufficient to make 40 to 15 gal,-----	1.00
2 lb., sufficient to make 160 to 600 gal,-----	3.25
10 lb., sufficient to make 800 to 3000 gal cannot be mailed.-----	13.75

SOAP AS A SPREADER.

In order to assist the "Black Leaf 40" to penetrate to and thoroughly wet the insect, it is advisable when spraying with "Black Leaf 40" alone to add 3 to 4 pounds of dissolved soap to every 100 gallons of spray. When using "Black Leaf 40" in combination with other sprays, do not use soap

Price of soap lb. 20c.

INSECTICIDES—Continued

FISH OIL SOAP. Very effective for washing trees and destroying all insects on the bark; it is also an exterminator of insects and lice on plants and shrubbery. Mix at the rate of one pound of soap to two quarts of water hot, and then add 5 gallons of cold water; apply with watering pot or syringe; used in this manner it will promptly rid cabbage or any other vegetable plants, also rose bushes and all sorts of fruit trees, of the aphides and other insects which so often injure them. Price, lb. 20c.

TOBACCO DUST. The best and most inexpensive insecticide and fertilizer of the day, and one of the most effective agents against the cabbage fly and worms which are so injurious and destructive to Cabbage and Cauliflower plants, and to Cucumbers and Melons. Used by the large cucumber growers with satisfactory results. We have had opportunity to have a thorough test of our Tobacco Dust on chicken lice, and have found it to be the best insecticide for henneries, under setting hens, etc. We have had it tested by a number of poultrymen, who pronounce it to be the best agent against poultry vermin. Also for insects on Flowering and Vegetable Plants; in fact, for all live plants. In addition to the advantageous results of the Tobacco Dust as an insecticide, it is one of the best fertilizers. It is good as a commercial fertilizer, used at the rate of 300 lbs. to the acre. lb. 10c.

HERMINGWAY'S GOODS OR GOOD

London Purple, pkg.....	25c
Caascu (Combined Insecticide and Fungicide) pkg.....	25c
Sodium Arsenate, pkg.....	25c
Lead Arsenate, dry powdered, pkg.....	25c
Calcium Arsenate, pkg.....	25c
Dry Lime Sulphur, pkg.....	25c
Dry Bordeaux Mixture, pkg.....	25c
Paris Green, pkg.....	25c
Cannot be mailed.	

Write for pamphlets as used for Cotton Boll Weevil Poisoning; a better spray for potatoes is not known—Ants—For over forty years a standard insecticide—and several others. These pamphlets are entirely free and we would gladly quote you on any of the above from one pound to a carload. Let us hear from you if troubled by pests.

TREE TANGLEFOOT

Is is a sticky compound similar to that used in making Tanglefoot Fly Paper and is especially adapted for protecting trees from the attack of climbing and creeping insects, particularly gypsy, browntail and tussock caterpillars, canker worms, climbing cut worms and ants. On matured fruit trees and all shade trees it is applied directly to trunks, but on young fruit trees we recommend application over strips of manila paper.

One pound makes 9 to 10 lineal feet of band. One application remains sticky 3 months and longer or 10 to 20 times as long as any other known substance. On account of this great superiority it has practically displaced all other banding compounds in the United States and in many foreign countries.

It works alike in rain, sun, winds, etc. Does not soften, run or melt, yet is always elastic, expanding with growth of tree. No mixing required, simply open can and use. Applied with wooden paddle.

Will not injure trees.

For tree surgery, Tree Tanglefoot is superior to anything on the market. It is the best application after pruning or trimming—It will waterproof the crotch of a tree when nothing else will do it. For this purpose one application lasts several years, all the time wholly impervious to air and water.

Guaranteed to keep perfectly many years in original packages.

Price: Lb. can 50c; 3 lb. can \$1.45; 10 lb. can \$4.50.

For postage see page 2.



Tree Tanglefoot

WILEY'S WAXENE

Price— $\frac{1}{2}$ pint.....	.25
Pint .....	.50
Quart.....	.75
$\frac{1}{2}$ gallon \$1.35	
Gallon	2.50

For WOODEN FLOORS OF EVERY KIND

It is perfection itself to put on over Varnish, Shellac, Varnish, Stain, etc., on Floors, Woodwork, Furniture, Oil Cloths to prevent their being scratched or marred, or to take the scratches, etc., off. It has no equal as a Body Polish for your Automobiles and Vehicles generally. A first-class Piazza Floor dressing. Saves you Time, Money, Labor, Trouble. Try it and prove for yourself all we claim. One trial will convince you. Can apply it yourself with ease. Apply with cloth. Send for circulars.

ANT-BANE. Is absolutely guaranteed to rid any building of Ants. Price small size 35c. Add 5c if ordered by mail.

ROACH KILLER. This is the noted \$1000.00 roach killer which is absolutely guaranteed to rid any building of roaches and Water Bugs when properly applied. Price: 35c and large size 65c. Add 5c if ordered by mail.

DOLGE WEED KILLER.—A Poison.—Free your walks and driveways from grasses and weeds. It is easy to apply, especially after a rain or when your soil is wet; merely mix up one part of the weed killer with forty parts of water and use in a sprinkling can. We also have the Erados which are used in places where you can not get with a sprinkling can, without killing the other vegetation. The Erados are only sold to parties using the Dolge Weed Killer at \$1.25 each.

Price of Weed Killer—1 gal. can, \$2.25; 5 gal. can, \$10.00.

BIRD FOOD AND REMEDIES

Red Gravel for birds, small size.....	.15	Bird Eye Water, bottle.....	.25
Red Gravel for birds, Large Size.....	.25	Mite Powder for birds.....	.25
Silver Gravel for birds, small size.....	.15	Nesting Hair in boxes.....	.10
Silver Gravel for birds, large size.....	.25	Nestling Food, box .....	.25
Mocking Bird Food in pints.....	.50	Ant Eggs, box.....	.25
Bird Bitters .....	.25	Plumage Restorer .....	.20
Bird Manna, for birds, each.....	.15	Canary High Balls .....	.20
Canary Diarrhoea Tablets, box.....	.20	Parrot High Balls .....	.20
Postage extra, see page 2		Birdolene box .....	.20

BIRD SEED**Mixed to Order**

or

Our best mixed Bird Seed is put up according to the best formula for the health of birds, from the cleanest and choicest seeds. Special prices on larger lots.

MIXED BIRD SEED. Per lb. 15c. **CANARY SEED.** per lb. 15c. **HEMP SEED.** per lb. 15c. **RAPE SEED,** per lb. 20c. **CUTTLEFISH BONE.** Per oz. 10c; $\frac{1}{4}$ lb. 30c. Parcel post extra.

LIME NEST EGGS. The "Sarod" brand are the best. They are clean cut and uniform. Worth double the common ones. With these there is no danger of getting bad eggs mixed up with the fresh ones, nor of the hens acquiring the habit of breaking them. 5c each; 6 for 20c; 12 for 35c; if wanted by mail 40c per dozen.

MEDICATED NEST EGGS. Your hens cannot lay when infected with vermin. These eggs will give your hens relief from Lice and mites and will increase your profits. These eggs will not glaze or slack when wet. Price 10c each; 75c per doz., postpaid.

CANARY LEG BANDS. These aluminum bands are numbered and ideal for the use of breeders. Price: 12 for 15c; 25 for 30c; 50 for 50c; 100 for 75c.

USEFUL BOOKS

Parrots and Other Talking Birds by		How to Grow Asparagus by F. M.	
Chas. N. Page .....	.35	Hexamer .....	.50
Canary Breeding and Training by		Colburn's Book on Alfalfa by F. D. Colburn	.50
Chas. N. Page .....	.35	How to Grow Mushrooms.....	.10
Feathered Pets by Chas. N. Page.....	.35	Sweet Peas Up-to-Date by W. Atlee	
Making the Farm Pay by C. C. Bowsfield..	1.25	Burpee & Co. ....	.10
Success with Hens by Robert Joos.....	1.25	Celery for Profit by T. Greiner.....	.25
Back Yard Farmer by J. Willard Bolte..	1.25	How to Grow Cabbage and Cauliflower for	
Every Step in Canning by Grave Vial Gray	1.25	Profit by J. M. Lupton.....	.30
Success with Hogs by Charles Dawson....	1.25		

In ordering any of the above books by parcel post please add 5 cents per copy.

POULTRY FOOD

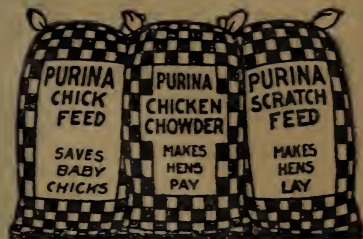
Healthy Chicks and Hens

Keep your chicks and hens healthy and full of vigor by giving them the right kind of food.

PURINA SCRATH FEED, Makes Hens Lay.

PURINA CHICKEN CHOWDER, Makes Hens Pay.

PURINA CHICK FEED, Saves Baby Chicks.



PURINA FOODS are prepared from the best quality of food stuffs obtainable, are compounded after formulas tested by long experience; and have proven successful in the hands of thousands of successful poultrymen. We feel that these foods will be equally successful in your hands, and sincerely hope that profit will follow your work.

Grain fluctuating, we quote on application.

FINE GROUND BLOOD MEAL. A highly concentrated and natural food for hens, containing 87 per cent. protein. Makes the plumage bright and glossy, and is particularly beneficial during the moulting season. Should never be fed without mixing with other food in proportion of 1 to 15 parts of meal or shorts. Price, lb. 15c or 2 lbs. 25c.

POULTRY BONE. Consists of ground beef bone thoroughly dried and free from grease. It is more economical and better in every way than raw beef bone. Rich in bone phosphate of lime, which is necessary for making egg shells, and for building up the frame of the chickens. Should be placed in liberal quantities in a clean dry place easily accessible to the chickens at all times. Price, lb. 10c; 3 lbs. 25c.

BONE MEAL. Can be mixed with the mash in limited quantities. Price, lb. 10c.

MEAT SCRAPS. Made from cooked beef scraps, thoroughly dried and ground. Is especially useful for fattening poultry for the market. It is better and more economical than fresh beef scraps, because it is concentrated and free from moisture. A great flesh producer. Price, lb. 10c; 10 lbs. 75c.

ASK FOR PRICES ON LARGE QUANTITIES

GENUINE CRUSHED OYSTER SHELLS. Every pound of oyster shells offered by us is dried by a patent, hot-air process, and not by direct fire, which burns out some of the most desirable qualities.

Our shells are crushed and ground to the size which expert poultrymen agree to be the best. If you have purchased other brands of Oyster Shells, you have noticed that there are 10 to 25 pounds of waste, consisting of dirt and dust, mixed in with every 100 pounds of shell. This means a loss to you. Every pound of shell we sell is all shell and no waste. It is needless for us to enlarge upon the value of crushed Oyster Shells for poultry. Every poultryman realizes their importance as an egg-shell maker and general promoter of good health. Coarse, lb. 5c; 10 lbs. 25c; 100 lbs. \$1.75. Fine, lb. 5c; 10 lbs. 25c; 100 lbs. \$1.75.

MICA CRYSTAL GRIT. A First-Class Product in Extensive Use by Successful Poultrymen. It is an established fact among poultrymen that, in order to make poultry raising a success, a first-class grit must be used. Ordinary water-washed smooth pebbles are not "grit." Soft, crushed limestone will not answer the purpose. Good poultry grit must have a formation which enables it to retain its grinding qualities under the relaxation and contractions of the fowl's gizzard.

Mica Crystal Grit is as hard as flint, and in addition to its grinding properties, it contains lime in soluble form. This is highly valuable, as lime is a necessity for making egg shells.

The value of commercial grits sold for fowls varies fully as much as do the value of poultry foods. There are good grits for this important purpose and there are poor kinds. Some are soft and practically worthless.

The price of Mica Crystal Grit is low, quality considered. We depend for our profits on the large amount we sell and have made the price as low as grit of this quality can be sold for. We supply three sizes: No. 1 for brooder chicks; No. 2 for half-grown chicks and No. 3 for hens, turkeys, ducks and geese. No. 1 is used by many large duck breeders with satisfactory results. Prices, lb. 5c. 10 lbs. 35c; 100 lbs. \$2.00.

CHARCOAL. Coarse, medium and fine. Lb. 10c; 50 lbs. \$3.75.

McCANDLISH IMPROVED CHICK FEEDER

PATENTED JULY 17, 1917 -- NO. 1234054

EQUIPPED WITH
ADJUSTABLE PARTI-
TIONS FOR VARIOUS
KINDS OF FEED

AN IDEAL DRINKING
RECEPTACLE ALSO



REVOLVING ROD PREVENTS THE CHICKS FROM PERCHING UPON IT, MAKING
THE FEEDER ABSOLUTELY SANITARY

MADE OF
GALVANIZED IRON
NO ROUGH EDGES
WASTE IMPOSSIBLE
CAN'T CAPSIZE

LENGTHS
12, 20 AND 30 IN.
PRICES
35, 50 & 75 CTS.



FEED and WATER CUP

Made of Galvaniz-
ed Iron. For hang-
ing on the side of
Hutch or Exhibi-
tion cage. A favor-
ite with many
breeders.

No. 61- Packed 48 in.
Wgt. 24 lbs. Price:
each, 20 cents.

CHICK FEED TROUGHS

These troughs are very convenient for feed-
ing flocks of growing chicks.

The trough is made on a half circle so that
every bit of feed can be easily eaten out of it.

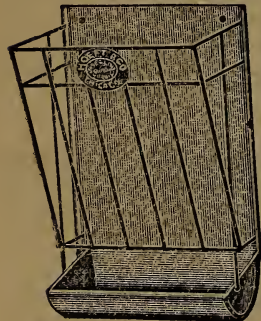


Over the trough is a gable shaped grate which
prevents the chicks from getting into it and
washing or fouling the feed. This grating is a
separate piece and slides on and off easily. It
is stamped into shape with dies, and is ribbed
as shown in the cut, making it strong and sub-
stantial. Made in two sizes, 10-inch and 20-inch
10-inch trough with grate35c

Shipping weight 1½ lbs.

20-inch trough with grate50c

Shipping weight 2 lbs.



RABBIT HAY AND FEED RACK

For holding Roots or
Hay, Alfalfa, Clover,
etc. It prevents scat-
tering Hay and wast-
ing. The round trough
at the bottom catches
the small tender leaves.
Feed saved soon pays
for Rack. No. 44—
P'k'd 6 in. Wt. 10 lbs.
Price, each 70c.

Automatic Fountain and Chicken Feeder

Patent applied for.

This appliance for chicks
feeds water, grain, grit, etc.,
automatically. It is an ab-
solutely sanitary fountain
made to fit any half gallon,
quart or pint Mason Jar. We
do not furnish jars. Price,
15c each; two for 25c. Ship-
ping weight 6 ounces each.



Sanitary Feeding Troughs



Can be used for feed, wet mash or water. Bar-
rel top prevents wasting of feed, and if used for
water, does away with the little chicks drown-
ing. The feed saved by using this trough will
more than pay for itself in a few weeks. Made
of the best grade of galvanized iron in three
sizes, namely: No. 21—Each\$0.65
12 inches long, packed 12 in, shipping
weight 12 pounds. No. 22—Each 90
18 inches long, packed 6 in, shipping
weight 10 pounds. No. 23—Each1.25
24 inches long, packed 6 in, shipping weight
13½ pounds.

Moe's Star Jar Fountain and Feeder

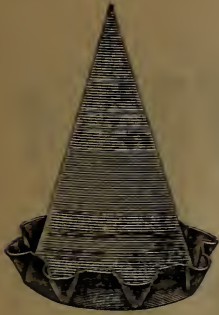
The most simple, prac-
ticable and durable
Mason Jar Fount
on the market

Will fit pint, quart or
one-half gallon Mason
Jar. Manufactured of
one piece of non-rust-
ing metal. No parts to
come unsoldered.
Leaking impossible.
Convenient, cheap and
sanitary. Provides
greater drinking sur-
face than the round
fountain. Little chicks
cannot get drowned.
Can be used for feed as
well as water. Manu-
factured in one size
only. No. 32, without
the jar (two) 25 cents

Packed in containers
of one gross: shipping
weight 35 lbs. Lesser
quantities, shipping
wt. per doz., 4 lbs.



Star Jar Fountain (Patented)



O. K. CHICK FOUNTAIN

This fountain is galvanized throughout, and consists of two parts—a conical top which holds the water, and a fluted pan forming the base. This pan is seamless, being made from a disc of steel stamped into shape with dies.

The little "pockets" around the pan are large enough for the chicks to drink out of them nicely, but too small to allow a chick to get into and get wet. One pint size.....20c

Shipping weight 1lb.

One quart size.....30c

Shipping weight 2 lbs.

CHICK GRIT AND SHELL BOX.

Growing chicks should have grit, oyster shell and charcoal always before them; and for this purpose, our Chick Grit and Shell Box is indispensable.

It is made of galvanized steel with three compartments

Height, 7½ inches; width, 6 inches; depth, (front to back), 4 inches at bottom, and 2 inches at top.

Price (Shipping weight 2 lbs.) 75c.

Large size for grown fowls (Shipping weight 4 lbs.) \$1.25.



THE HANDY DRY MASH HOPPER

The Handy Hopper is made considerably wider at the bottom than at the top, so that it is impossible for any sort of dry mash to clog in it. Feed put in this hopper cannot be wasted for the trough is deep, has a wide flange around it, and solid partitions, making it impossible for the fowles to pile up the feed and throw it out with their bills.

We consider this one of the best hoppers made, and it is suitable for any kind of dry mash.

No. 1 Handy Hopper, 9 inches long, one compartment.....\$1.75

Shipping weight in fibre carton 6 lbs.

No. 2 Handy Hopper, 15 inches long, one compartment,.....\$2.25

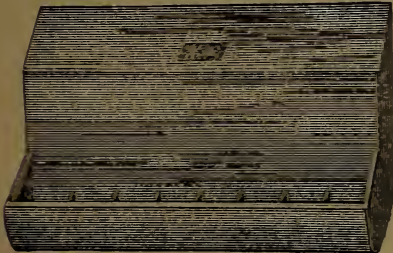
Shipping weight in fibre carton, 9 lbs.

No. 3 Handy Hopper, 24 inches long, two compartments,.....\$2.50

Shipping weight in fibre carton, 12 lbs.

No. 4 Handy Hopper, 36 inches long, two compartments,.....\$3.75

Shipping weight, crated, 17 lbs.



DROP BOTTOM FOUNTAINS

In this style of drinking fountain the pan which forms the trough from which the fowles drink is hinged at the back and fastened by a brass latch in front. The hood over the trough prevents falling dust and dirt from getting into the water; and when the bottom is turned back the inside of the fountain can easily be cleaned out and kept in sanitary condition.

The hole which allows the water to run from the fountain into the trough is behind the brass latch, which prevents the water from slopping out when the fountain is handled.

The hinge is made with a brass rod to prevent rusting. Made of No. 28 galvanized steel in three sizes.

2-quart Drop Bottom Fountain.....\$1.00

Shipping weight, 2lbs.

1-gallon Drop Bottom Fountain.....\$1.30

Shipping weight, 3 lbs.

2-gallon Drop Bottom Fountain.....\$1.60

Shipping weight, 5 lbs.



GRIT AND SHELL BOXES

Grit, shell and charcoal have now become a recognized essential part of the diet insuring healthy fowls. They cannot be more economically supplied than in one of our inexpensive compartment boxes. Can also be used as a feed hopper for little chicks. Made of heavy galvanized iron in three sizes:



No. 90—Four compartment, Round Bottom

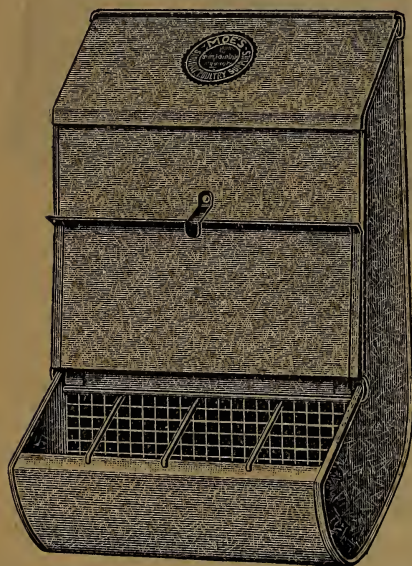


No. 9—Three Compartment Round Bottom



No. 45—Two compartment Square Bottom

No. 45—For baby chicks, packed 12 in, shipping weight 11½ lbs., each.....\$0 50
 No. 9—For grown birds, packed 6 in, shipping weight 15 lbs, each..... 1.25
 No. 90—For grown birds, packed 6 in, shipping weight 20 lbs., each 1.65



Moe's Dry Mash Hopper

The curved bottom of the Hopper keeps the feed within easy reach of the birds. The gradual enlargement from the top to base prevents clogging. The wire grid and the wires running from the flange through the wire grid prevent any chance of the fowls throwing out or wasting the feed. The sloping cover prevents the birds from roosting on the Hopper, and when both covers are closed, it is rat and mouse proof. A trial will convince you that it is a Hopper of the greatest merit. Manufactured of heavy galvanized iron in three sizes.

No. 35—8½ in. wide, packed 6 in, weight 24 lbs. Each.....\$1.75

BOTTOM-FILL FOUNTAINS.



A General Utility Fountain at a Low Price.

Made in two pieces. Easily cleaned and owing to its shape it will not burst from freezing. This fountain fills the breeder's needs for an inexpensive fountain. Made of the best grade of galvanized iron in three sizes.

SIZE

No. 19—About 1-quart capacity.....40
 No. 20—About ½-gallon capacity.....50
 No. 24—About 1-gallon capacity.....90

LEG BAND FOR POULTRY

SPIR-OL LEG BANDS are made in six colors and all sizes, and are put on and taken off like a key ring. Can't drop off. Colors are black, white, dark blue, red, yellow, green purple, light blue, garnet and pink. In ordering please state color wanted. Just the thing to mark the different pens. Handiest band to mark the pullets from the old hens.

Prices, postpaid: 12 bands for 15c; 25 bands for 30c; 50 bands for 50c; 100 bands for 75c; 500 bands for \$3.60; 1000 bands for \$7.00.

Chick, Bantam and Pigeon size Spirol Leg Bands as follows: 12 for 10c; 25 for 20c; 50 for 35c; 100 for 50c; 500 for \$2.25; 1000 for \$4.00. These bands come in the same colors as given above for poultry bands.

PERFECTION ADJUSTABLE DOUBLE LOCK LEG BAND



Patent Pending.

This Leg Band, when properly folded, forms a double lock that is positive in its grip and impossible to lose off.

It is made of aluminum, is adjustable and will fit all classes of fowl.

Price, postpaid: 12c for 15; 25 for 25c; 50 for 40c; 100 for 75c; 250 for \$1.75; 500 for \$3.00



SPRATT'S DOG FOODS AND REMEDIES

"SPRATT'S" MEAT "FIBRINE" VEGETABLE DOG CAKES. The standard dog food. Used at the leading kennels and dog shows throughout the world. A staple and constant food for all breeds of dogs. lb. 20c; 2 for 35c.

"SPRATT'S" PUPPY BISCUITS, THE STANDARD PUPPY FOOD. A perfect and whole food for puppies of all breeds. Puppies should be started on these biscuits when about one month old, and they should be continued until such time as their teeth become sound and strong, usually when they are about six months old. lb. 20c; 2 lb. 35c.

CAT BISCUIT. A mixed food which is better than meat as it is a balanced ration. Lb. 20c.



BOOK ON DOG DISEASES-AND HOW TO FEED-FREE

DR. GEO. W. CLAYTON

MANUFACTURER OF

CLAYTON'S DOG REMEDIES

	Each		Each
Mange Remedy .....	.50	Fit Remedy (Tablets) .....	.50
Skin Lotion .....	.50	Cough Remedy .....	.50
Hair Tonic .....	.50	Sulphur Tablets .....	.50
Distemperine Liquid .....	.50	Puppy Tonic .....	.50
Distemperine (Tablets) .....	.50	Rheumatic Tablets .....	.50
Condition Pills with Pepsin .....	.50	Diarrhoea Remedy Liquid .....	.50
Blood Purifying and Cooling Pills.....	.50	Diarrhoea Remedy (Tablets) .....	.50
Digestive Tablets .....	.50	Chorea Tablets .....	.50
Laxative Pills .....	.50	Goitre Remedy	\$1.00
Worm Pills.....	.50	Ceoline Dog Wash and Disinfectant .....	.35
Tape Worm Expeller .....	.50	Shampoo .....	.25
Vermifuge (Liquid) .....	.50	Killflea Soap .....	.25
Vermifuge (Soft Capsules) .....	.50	Killflea Powder .....	.25
Canker Lotion (Liquid) .....	.50	Cream Dog Soap .....	.25
Canker Lotion (Tablets) .....	.50	Ceoline Dog Soap .....	.25
Eye Lotion Liquid .....	.50		
Eye Lotion (Tablets) .....	.50		
Fit Remedy, Liquid .....	.50		

If ordered by parcel post add 5 cents for each item.

Write today for free book on "Treatise on the Dog."

BUCKEYE INCUBATORS



A Genuine Buckeye. With all the Desirable Buckeye Features

Maybe you don't own an incubator because you have always thought of them as mysterious and complicated machines.

Well, some incubators are, but—

The BUCKEYE is so simple that a boy or girl can operate it.

That's the secret of its wonderful success.

There are just three essential feature to the successful hatching of eggs—

Correct temperature, proper ventilation, and a certain amount of moisture.

Unless each of these three essentials is absolutely correct, the incubator must fail to a greater or lesser degree.

The correct temperature is 103 degrees.

If any of the eggs in a BUCKEYE incubator were kept at any other temperature they wouldn't hatch.

BUT THEY DO HATCH, and that proves that every egg is kept in the exact, correct temperature.

You can place a dozen thermometers in a dozen different places in a BUCKEYE, and you will find them all alike.

We know of manufacturers who have spent a lifetime trying to build an incubator that would do that and THEY HAVEN'T SUCCEEDED YET.

Yet, it's easy with the "Buckeye Circulating Hot Water System."

You probably know that it is much easier to maintain an even temperature in a building that is heated by hot water, than if it were heated by hot air or steam.

Well, hot water is much the best thing to use for heating incubators, too.

Price of Buckeye Incubators:

No. 14, Capacity 65 Eggs.....	\$18.50
No. 16, Capacity 120 Eggs.....	31.00
No. 17, Capacity 210 Eggs.....	42.25

BUCKEYE STANDARD

No. 1, Capacity 120 Eggs.....	43.50
No. 2, Capacity 175 Eggs.....	51.50
No. 3, Capacity 250 Eggs.....	65.00
No. 4, Capacity 350 Eggs.....	77.50
No. 5, Capacity 600 Eggs.....	120.00

Approved by the National Board of Insurance Underwriters.

"BUCKEYE" means the "BEST." Anybody can Hatch Chickens with A "BUCKEYE."

WRITE FOR COMPLETE CATALOG ON INCUBATORS AND BROODERS

PORTABLE BROODERS

**The Greatest Oil-Burning Brooders
Ever Invented**

**AN ABSOLUTELY SATISFACTORY BROODING DEVICE
FOR THE BREEDER WITH SMALL FLOCKS.**

**The Only Oil-Burning Brooder With ALL the Desirable
Features of the Modern Coal Burner**

GUARANTEED to raise more chicks and gibber chicks
than any oil-burning brooder on the market.

GUARANTEED to furnish an abundance of heat in any
temperature down to freezing.

GUARANTEED to be absolutely free from any gasses and
odors whatsoever, and to provide a circulation of pure,
fresh air every minute in the day.

SOLD ON 30 DAY'S APPROVAL

—and You Write Your Own—

MONEY-BACK GUARANTEE

THREE SIZES

No. 20. Diameter 19 inches. Capacity 60 chicks. \$13 50.

No. 21. Diameter 22 inches. Capacity 100 chicks. \$17.00.

No. 22. Diameter 30 inches. Capacity 150 chicks. \$21.50.

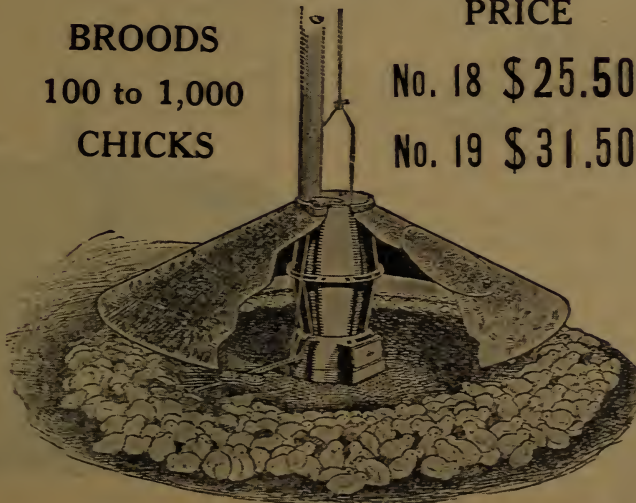


THE STANDARD COLONY BROODER

(Patented July 4, 1916.)

BROODS
100 to 1,000
CHICKS

PRICE
No. 18 \$25.50
No. 19 \$31.50



Showing a Standard Colony Brooder in Operation with 1050 Chicks
Self-Feeding, Self-Regulating, Simple, Safe, Everlasting
Guaranteed Operating Cost Less than Six Cents a Day

SAVES LABOR, TIME AND MONEY

Sold on 30 Days Approval and You Write Your Own MONEY-BACK GUARANTEE.

WRITE FOR COMPLETE CATALOG ON INCUBATORS AND BROODERS

CRAWFORD'S Blue Bug Exterminator.

CHOLERA AND LIMBERNECK CURE.

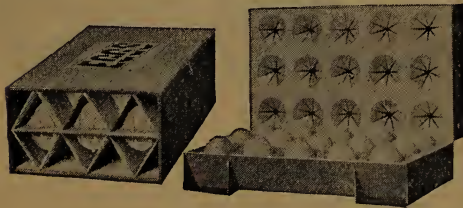
Guaranteed to absolutely rid fowls of Blue Bugs, Lice, Fleas and other vermin or money refunded. Blue Bug Exterminator is not a dope that you have to catch the fowls to apply, but a food that is fed with the other feed. And we positively guarantee that Blue Bugs, Lice or Fleas will not stay on fowls that are fed on this remedy. If little chicks are bothered with fleas, feed them 2 or 3 times with this food and the fleas will all drop off.

Blue Bug Exterminator prevents Cholera by keeping the bowels in a healthy condition. For Limberneck, if the fowl is down and cannot eat, force the medicine down the throat until it reaches the crop.

Every owner of poultry should keep this remedy on hand, as the saving of one valuable fowl will buy several packages.

fowls his is one of the greatest egg foods ever produced as it is a tonic and stimulant, it keeps Tin perfect health which every one knows is essential to egg production. Price 50c and \$1.00 per pkg. If ordered postpaid 60c and \$1.10 per package.

Ship Eggs in the "DIAMOND"



FOR SAFE DELIVERY

Diamond "Safe Delivery Parcel Post Egg Carriers" can be used repeatedly for a long time and each one will pay for itself many times in saving eggs from breakage.

Price List

HATCHING SIZES

15 egg size: each 35c; 2 for 65c; \$3.75 per dozen
30 " " " 45c; 2 " 85c; \$5.00 " "

PARCEL POST BOXES

	Per Box	Per Doz.
1 doz. size.....	\$.30	two for .55 \$3.15
2 doz. size.....	.40	two for .75 4.30

THE OAKES ELECTRIC INCUBATOR.

If you have avoided taking up artificial incubation on account of the trouble, annoyance, and uncertainty in running lamp-heated incubators, you need not hesitate any longer, for all these objectionable features are eliminated in the Oakes Electric Incubator.

Each one of our machines is thoroughly tested in every part before it leaves the factory and the regulator is adjusted to the proper temperature.

Price—Oakes Electric Incubator with Thermometer and cardboard egg tester.

60-Egg Electric Incubator	\$21.00
100-Egg Electric Incubator	30.00
18-Inch Economy Brooder, with cage	10.00
22-Inch Economy Brooder Without Cage	11.00

A BROKEN EGG IS A WASTED EGG...

YOU WILL NOT HAVE TO PAY FOR ANY BROKEN EGGS IF YOU MAKE YOUR SHIPMENTS IN DIAMOND PARCEL POST EGG CARRIERS.

Postmasters, Express Agents, Producers and consumers have given the Diamond Parcel Post Egg Carrier every possible test and find it perfectly designed for the protection of eggs in transit.

TAKE NO CHANCES ON BREACKAGE

Be sure of safe delivery. Protect yourself against loss of eggs and loss of profit. Ship eggs in the Diamond Parcel Post Egg Carrier. Selected eggs bring best price---shipped to the customer in Diamond Parcel Post Egg Carrier.



Brooder Hover

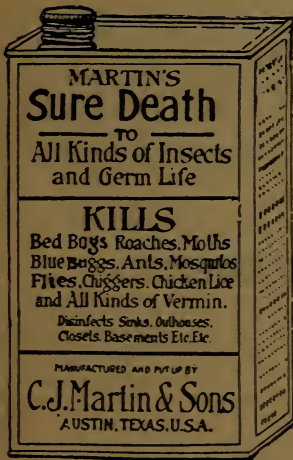
22-Inch Economy Brooder with cage	13.50
18-Inch Electric Brooder	15.00
22-Inch Electric Brooder	20.00
18-Inch Economy Brooder without cage	7.50

MARTIN'S Wonderful Blue Bug Killer



Kill the Blue Bugs and Stick Tight Fleas on your chickens by feeding Martin's Wonderful Blue Bug Killer. This remedy is guaranteed to rid your chickens of these bugs or your money back, if used as directed. Will not harm chickens or eggs.

Directions—For every 12 chickens give one heaping tablespoon of Martin's Wonderful Blue Bug Killer mixed with one quart of wheat bran, then wet until crumbly, feed this once a day for one week. Price, 60c and \$1.20; postpaid 70c and \$1.30.



MARTIN'S SURE DEATH to all kinds of insects and germ life. Kills Bed Bugs, Roaches, Moths, Blue Bugs, Ants, Mosquitos, Fleas, Chiggers, Chicken Lice and all kinds of Vermin.

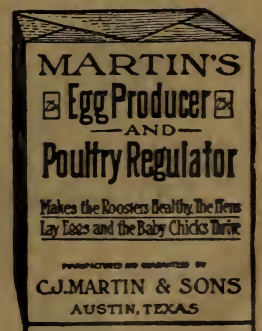
Disinfects Sinks, Outhouses, Closets, Basements, etc., etc.

Prices: , Qt. 75c; $\frac{1}{2}$ gal. \$1.25; gal. \$2.00. By express or freight.

MARTIN'S SURE DEATH LICE POWDER. { Small size 15c; postpaid 20c.
Large size 30c; postpaid 40c.

MARTIN'S Egg Producer and Poultry Regulator.

Contains the necessary drugs to help the hen lay eggs, and is also a fine regulator. It will build up your fowls and help prevent the breeding of diseases. Every chicken raiser who has baby chicks uses Martin's Egg Producer and Poultry Regulator, as it will help them digest their food and keep them in healthy condition. Pkg. 50 Postpaid, 60c.



PRATT'S POULTRY REMEDIES



SATISFACTION OR YOUR MONEY BACK

Pratts Poultry Regulator.....	12 lb. pail \$1.80; packages \$1.20, 60c, 30c.
Pratts Poultry Disinfectant.....	70c. per qt.
Pratts Powdered Lice Killer.....	30c.
Pratts Condition Tablets.....	60c and 30c.
Pratts Bronchitis Tablets.....	30c.
Pratts Cholera Remedy.....	30c.
Pratts Healing Ointment.....	30c.
Pratts Colic Veterinary Remedy.....	75c.
Pratts White Diarrhea Remedy.....	30c.
Pratts Sore Head Chicken Pox Remedy.....	30c.
Pratts Roup Remedy, Tablets or Powder.....	60c. and 30c.

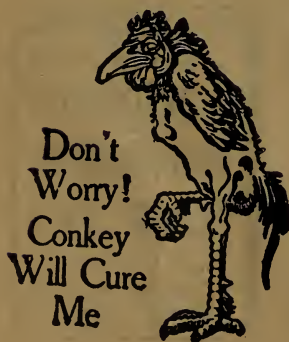
DR. LeGEAR'S STOCK AND POULTRY REMEDIES

Roup Remedy.....	30c. per can	Cholera Remedy.....	30c. per can
Poultry Prescription.....	30c. and 60c. per box; \$3.50 per 25-lb. pail.	Screw Worm Killer.....	30c. per bottle
Heave and Cough Remedy.....	60c. per box	Lice Killer Powder.....	30c. per can
Colic Remedy.....	75c. per bottle	Worm Remedy.....	60c. per box
Stock Powders.....	30c., 60c. and \$1.20 per box	Antiseptic Healing Powder.....	30c. per can
Cold Tablets.....	30c per box	Dip and Disinfectant.....	80c. per qt. can; \$2.25 per gallon

CONKEY'S REMEDIES

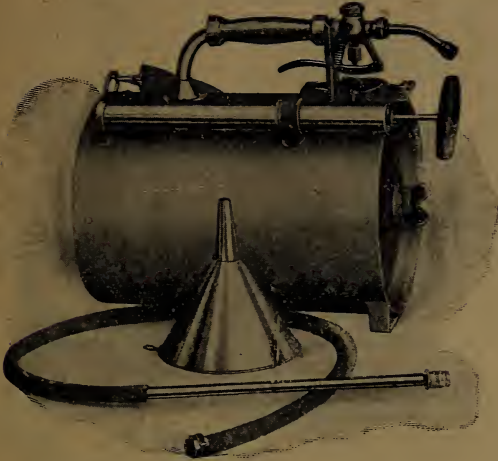
All guaranteed to give satisfaction or money refunded.

Roup Remedy.....	30c	60c	Postpaid	35c	65c
Cholera Remedy.....	30c	60c	Postpaid	35c	65c
Gape Remedy.....	30c	60c	Postpaid	35c	
Chickenpox Remedy.....	30c	60c	Postpaid	35c	65c
Limber Neck Remedy.....	60	60c	Postpaid	65c	
White Diarrhea Remedy.....	30c	60c	Postpaid	35c	65c
Head Lice Remedy.....	30c	60c	Postpaid	35c	
Lice Powder.....	30	60c	Postpaid	35c	
Laying Tonic.....	30c	60c	Postpaid	65c	
Laying Tonic.....	30c	60c	Postpaid	36c	
Noxicide.....	50c	60c	Postpaid	70c	
Stock Tonic.....	30c	60c	Postpaid	60c	
Stock Tonic.....	30c	60c	Postpaid	40c	
Fly Kicker.....	75c	60c	Postpaid	70c	
		75c	Postpaid	85c	



LOWELL SPRAYERS,

LOWELL SPRAYERS, GOODS OF QUALITY



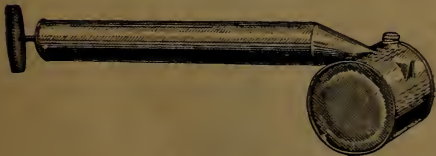
Lowell Fountain Compressed Air Sprayer
No. 110. Galvanized Steel aluminized.
No. 111. Brass, polished and lacquered.



Lowell Baby Fountain Compressed Air Sprayer
No. 120. Galvanized Steel, aluminized.



Lowell Continuous Sprayer
No. 115. All Tin. No. 117. All Brass.



Lowell Ideal Sprayer.
No. 125. All Tin.

LOWELL IDEAL SPRAYER. The best
ow-price tin sprayer on the market.

LOWELL FOUNTAIN COMPRESSED AIR SPRAYER.

The Lowell Fountain Compressed Air Sprayer is well adapted for the fruit grove, farmer, stockman, poultryman, florist, and for use of general disinfectants. It is the strongest small tank sprayer ever made, being constructed of heavy sheet brass or galvanized steel.

No other sprayer made will stand one-half the pressure. Every sprayer when completely assembled is tested by air to 60 pounds to the square inch, while the pressure in service never exceeds 35 pounds no safety valve or indicator is needed with the Lowell Fountain Sprayer. Holds three gallons.

Price: No. 110. Galvanized Steel aluminized. \$7.50.

No. 111. Brass, polished and lacquered. \$10.50

LOWELL BABY FOUNTAIN COMPRESSED AIR SPRAYER.

Owing to a demand for the Lowell Fountain Compressed Air Sprayer in a small size of domestic purposes and inside work, this sprayer is made in a gallon capacity size, along the same lines exactly as our regular three gallon Compressed Air Sprayer. It is equipped the same with the exception of the hose attachment for tree work, which would not be practical for this size sprayer. On account of its size shoulder strap is also unnecessary.

It is equipped with a long spray crook which can be adjusted to spray in any direction; this feature combined with its size makes it very useful for domestic and disinfecting purposes. Capacity of Tank one gallon.

Price: No. 120. Galvanized Steel, Aluminum Finish. \$6.00.

LOWELL CONTINUOUS SPRAYER. The best small sprayer made. Will handle all insecticides and disinfectants, and operating on both strokes of the plunger, it throws a continuous spray. Two spray caps, one straight and the other at an angle, for spraying under leaves.

Price: No. 115. All tin. 90 cents.

No. 117. All Brass. \$1.40.

throws a spray as fine as steam and is very useful for applying liquid lice killer in cracks and crevices about the poultry house, roosts, nest boxes, etc.; also about the hog pens. It is more economical of the insecticide than a paint brush or other means of application. For applying insecticides on rose bushes, shrubs, etc., it is unequalled and should be in the hands of every gardener, poultry-keeper and fruit grower. Capacity one quart.

Price: No. 125. All tin, 60 cents.

WRITE FOR DESCRIPTIVE CIRCULAR ON ALL LOWELL SPRAYERS

LOWELL BUCKET PUMP

The Lowell Bucket Pump is one of the latest inventions in a long list of successful spraying machines. We believe it is the best machine of its kind on the market.

The working parts are all brass, including cylinder, plunger tube, valves valve seats and cages.

The punger tube and handle are hollow, thus affording sufficient air chamber to give a continuous spray. The cylinder and plunger tube are made of seamless brass tubing; the handle of malleable iron.

The foot rest is made of malleable iron, fastened to the cylinder with a clamp. It can be easily adjusted to fit any height pail or bucket without the use of a wrench.

It is equipped with three feet of $\frac{3}{8}$ inch hose, fitted with our own special spray nozzle. Hose is attached to pump with coupling. The nozzle threads are all standard, thus enabling one to use any make of nozzle desired.

This pump fitted with our special type plunger gives all the best features of a bucket sprayer combined in a moderate priced machine.

Price: No. 109 Lowell Bucket Pump \$6.00.



FLOWER & FERN POTS SAUCERS & CHICKEN FOUNTS



PRICES

Size	Each
6-inch Flower Pots	\$.10
8-inch Flower Pots .....	.20
10-inch Flower Pots .....	.40
12-inch Flower Pots .....	.75
14-inch Flower Pots	1.35
16-inch Flower Pots	1.75
6-inch Saucers .....	.05
8-inch Saucers .....	.10
10-inch Saucers .....	.15
12-inch Saucers .....	.20
14-inch Saucers .....	.30
16-inch Saucers .....	.35
10-inch Fern Pots .....	.25
12-inch Fern Pots .....	.35
14-inch Fern Pots .....	.55
16-inch Fern Pots .....	.75
1 gallon Chicken Founts .....	.25
4 gallon Chicken Founts .....	.85

In case any of the above are ordered to be shipped, there will be an extra charge for packing and postage charge.



"Red Snapper" Plant Food

Makes Plants Grow and Blossom

This Plant Food which is for flowering plants, vines, shrubs, etc., has exceptional merits. We can speak from experience in this regard as we gave it tests in our own gardens and greenhouses this past summer. It certainly gives plants a quick yet sturdy, healthy growth. The blossoms come out more profuse; they are larger in size and richer in coloring. This Plant Food is not the ordinary chemical stimulants generally offered for sale, but an organic fertilizer containing a very rich analysis of Plant Food. It is made from the head bones and nitrogenous cartilage of Red Snapper fish and is dried, sterilized and ground into the finest meal. It is thoroughly clean and sanitary and can be used in the finest homes and conservatories as well as for out door use. We enclose in each box of Plant Food a small package of so-called Plant Tonic which is used to sweeten sour or dead soil and put it in better condition to assimilate the Plant Food. We wish every one of our customers would try one or more packages of this article and they will be surprised at the results.

Price

10 ozs. Plant Food 25c.

24 ozs. Plant Food with 4 ozs. Tonic 50c.

Add 5c to each if ordered by Parcel Post.

SMALL GARDEN IMPLEMENTS

LANG'S HAND WEEDER

One of the best of this class, allowing use of the hand while working. Each 30c. postpaid.



HAZELTINE WEEDER

One of the best, solid steel, good size and durable; in very general use over the country. Each 30c; postpaid 35c.



EXCELSIOR WEEDER

A very useful tool for weeding seed beds, stirring the ground, etc. This is one of the most useful tools in working the garden. No one should be without it. Each 25c; postpaid 35c.



COMBINATION WEEDER

Combining as it does both the rake and hoe, it is the most serviceable, desirable and perfect weeder on the market. Allows weeding close to the plants, and is offered at about the same price as the other weeders. Each 50c; postpaid 55c.



ECLIPSE HAND CORN PLANTER. All parts steel. Has four feed plates and is a sure dropper. Well made and finished. Price \$2.50.

HUMPHREY'S CONCAVE POTATO KNIFE



With the Concave Potato Knife, seed potatoes can be cut better, and \$2 to \$3 an acre saved in seed and time by its use. Our illustration shows how the eyes are cut with the knife, making a compact piece with the center surrounded by the greatest amount of tuber. If the same eye has been cut by a straight knife, the piece would be thin, flat and broad and liable to dry up and decay before germination. A circular is being put in each box with the knife. Price, postpaid, 30c.

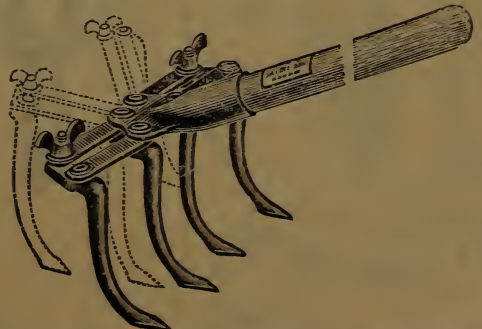
STEEL TROWEL



It is of one solid piece of steel and will outwear several of the ordinary sort. It is an article for which we have had many inquiries, filling a long felt want. Price 30c; postpaid 35c.

PULL-EASY

ADJUSTABLE
2" TO 6" WIDE



The picture above tells the whole story. The short handled Junior, our No. PEJ1, is for cultivating around bushes or creeping plants—and the long handled tool, our No. PEC4, is for women and children to use in flower beds and around bushes.

Price	
PEC	Hand Cultivator 1.50
PEJ-4	Junior Cultivator ..... .75
PEJ-1	Junior Cultivator ..... .60

BARREL PUMP



No. 4A Outfit consists of No. 4 Pump, 15 feet one-half-inch Sprayer Hose, Fog Nozzle, Leakless Shut-off, and 8 feet of quarter inch iron Extension rod, ready for use. Price each.....\$32.00

Spring Tooth Magic Weeder Hoes

REICHARD'S
COMBINATION SPRING-TOOTH

Magic Weeder Hoes



PRUNING SHEARS, No 50, California pattern, polished tool steel blades, adjusting nut. Price \$2.50.



PRICES.

Style A, length of handle, 5½ inch.....	.45
Style B, length of handle 18 inch.....	.25
Style C, length of handle 5¾ inch.....	.35
Style D, length of handle 6 inch.....	.45
Style E, length of handle 6 inch.....	.45
Style F, length of handle 42 inch.....	.75
Style G, length of handle 48 inch.....	1.00
Style H, length of handle 48 inch.....	1.25
Style K, length of handle 48 inch.....	1.25

If ordered by parcel post the postage would be extra charge. 5c on each article.

IMPLEMENTS (Continued) **IDEAL SPRAYER**



A strong, durable wheelbarrow-sprayer. The Ideal is well designed and will develop a higher pressure than any other wheelbarrow sprayer. Particularly desirable for whitewashing and very practicable for spraying medium size orchards or vineyards.

Discharge Equipment—15 ft. ½ in. Ideal Spray Hose; 8 ft. ¼-in. Iron Pipe Extension—Fog Nozzle and leakless shut-off.

Shipping Weight—Crated 130 pounds. Two lines of hose can be used if desired.

No. 31 Ideal with Galvanized Supply Tank. Price each\$48.50

GARDEN PLOW



A counterbalanced plow with a 24 inch high wheel, made of very best material and most careful workmanship. It is a good strong tool which can be used in the largest gardens, is very popular and the best of its kind. Tool equipment consists of landside plow, sweep, double pointed shovel and cultivating attachment. This latter is equipped with five teeth but any of them are easily removed so that combinations of 2, 3, or 4 can also be made.

Weight 26 pounds.

No. 240. Price each\$6.00

Planet Jr. Farm and Garden Tools

We show in the following pages cuts of the best known machines of the Celebrated Planet, Jr., line.



No. 4.—Planet, Jr.

No. 4.—COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW.

The No. 4 Seeder is a great favorite; there are doubtless more of them in use in the world than any other seeder made. Gardeners and farmers having but a family garden who fear that they haven't quite enough work for a drill to do, will find this combined tool will quickly pay for itself in satisfaction, in labor-saving and in increasing crops. With it one can do almost all the hoeing and general work in the garden. Price Complete \$23.50. As a Seeder only \$18.75.

No. 25.—COMBINED HILL AND DRILL SEEDER AND DOUBLE WHEEL HOE, PLOW, ETC. As a drill it is almost identical with the "Planet, Jr." No. 4 Drill, will sow in hills and drills, 4, 6, 8, 12 or 24 inches apart, and the same automatic device for throwing out of gear, and the new combined cut-off and seed index with thumb screw adjustment. It is thoroughly substantial and accurate in sowing all kinds of seeds, either in hills or drills.

As a wheel hoe, it is identical with the "Planet Jr." No. 12 Double Wheel Hoe the very best machine on the market. The change from Drill to Wheel Hoe takes but a moment, and the entire combination is one we can heartily recommend and guarantee to be satisfactory. Weight 38 lbs. Price as shown in cut with all parts, \$26.50.

NO. 19 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR AND PLOW. This attractive implement is especially designed for the farmer's garden work, though it offers to every one with either field or garden a cheap and effective tool for wheel-hoe operations. The high wheel makes easy running; the standard is slotted for depth regulation and an adjustable malleable piece carries any of the steels that go with the machine. The cultivating tooth does deep work and marks out row for onion sets, plants, etc. The sweep is fine for level work by setting it flat; or by pitching the point downward, it is excellent for hilling crops in rows from 12 to 16 inches apart, or for opening furrows, for fertilizers, peas, beans, etc.

Price \$7.50.

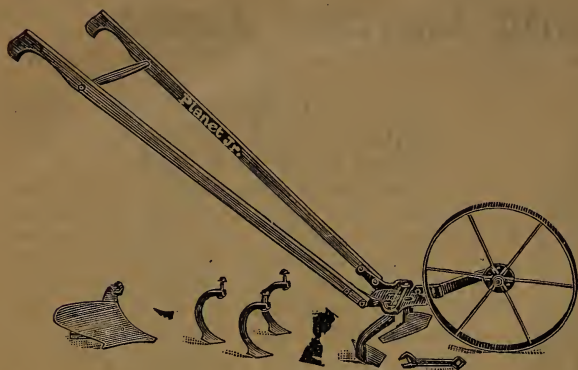


No. 25.—Planet, Jr.



No. 19 — Planet, Jr. Catalog

WRITE FOR PLANET, JR., CATALOG



No. 17.—Planet, Jr.

No. 17.—SINGLE WHEEL HOE CULTIVATOR AND PLOW.

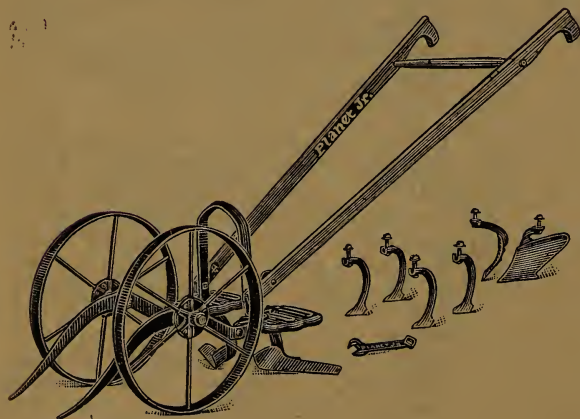
This latest and best single wheel hoe has a very full set of tools, several of them being of a new design, such as have been found to work in the very best manner. It has 11-inch wheel with broad face, is very light, strong and easy running. It has adjustable handles and quick-change frame. The tools are a well-shaped plow for marking out, plowing, covering and late cultivation, a pair of 6-inch shield hoes and three all steel patent cultivator teeth, the frame changes in height and the wheel may be attached to the other side of the wheel frame, when both sides of the row may be hoed at one passage. Price \$10.75.



No. 11.—Planet Jr.

No. 11.—PLANET, JR. is the best combined double and single wheel hoe made, and has the largest and most useful set of attachment'. The steel frame can be set at different heights to suit any kind or depth of work, and the attachments or their position can be changed in a few seconds.

The arch is high enough to straddle a row until plants are 20 inches high, and this insures close work and death to weeds. Price \$19.00.



No. 12.—Planet, Jr.

No. 12—DOUBLE WHEEL HOE CULTIVATOR AND PLOW.

—The number of different kinds of work done by this one is marvelous, and all are done in the most perfect manner. The teeth are changed with the greatest ease and quickness, without taking the nuts from the standards. The wheels may be set at four different distances apart; the frame at three heights. The handles are adjustable in height to suit man or boy. For rapid and perfect work, it's the money-making tool a farmer can own. Weight 32 pounds. Price, with tools as shown, \$15.00.

WRITE FOR PLANET JR. CATALOG

Never plant alfalfa or sweet clover without inoculating with FARMOGERM. This is as important as being sure your soil is sweet.

Even if you have been getting a wonderful stand without inoculating your alfalfa, FARMOGERM will give you even a better one.

PLANET JR. FARM AND GARDEN TOOLS (Continued)



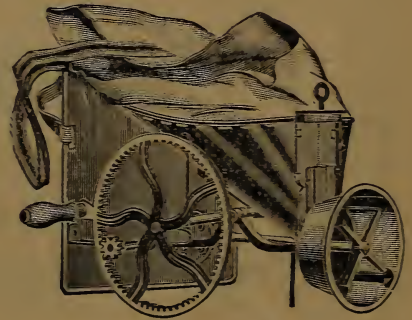
No. 90—Plant Jr.

ing dirt upon the plants and the smooth, round-throated teeth turn strawberry runner without injuring them.

Price complete, as illustrated, weight 74 lbs., \$25.00. No. 90B, same without the pulverizer attachment, \$21.25. No. 90D, same without both wheel and pulverizer attachment, plain \$16.00.

CAHOON SEED SOWER

For sowing alfalfa, wheat, oats, barley, rye, buckwheat, grass seeds, etc. The best machine of the kind on the market. The grain is held in a tight sheet-iron hopper, surrounded by a bag that will hold a bushel of seed. This is suspended by a strap from the operator's neck and held in position by a strap around the waist. The seed is thrown from eight to twenty feet on each side of the operator, the heaviest seed being, of course, thrown the greatest distance. Price \$4.50.



Cahoons Seed Sower.

RAT CORN



Before Eating Rat Corn.



After eating Rat Corn he is Mummified

Kills Rats and Mice without Odor. Sold the World Over.

Rat Corn will exterminate rats, mice, moles and gophers from your premises in a safe, sane and sanitary manner. It mummifies them. No matter where they die they simply dry up. Positively do not leave any odor. Rat Corn is a new and scientific discovery and without a doubt the greatest destroyer of rats, mice and moles in the world. It is the only thing that kills rats and mice without any bad, dangerous or disagreeable effect. Rat Corn is put up in 25-cent size and 50c size.



DON SUNG (Chinese for egg-laying) is a scientific tonic which improves the hen's health, makes her stronger and more active and tones up the egg laying organs. It is easily given in the feed.

Try Don Sung for one month, and if you don't find it has paid for itself and paid you a good profit besides, your money will be promptly refunded.

50c (Add 2c War Tax)

Large size \$1 holds 3 times the 50c size.

(Add 4c War Tax)

Special size \$5 holds 6 times the \$1 size.

(Add 20c War Tax.)

AVICOL

Avicol is fully guaranteed for the prevention and treatment of chick cholera and white diarrhoea. Easily given in the water. Avicol positively stops chicks dying. Money back if it fails. Package 50c (add 2c war tax). Approx. 80 tablets.



BAND STAND, ALAMO PLAZA, SAN ANTONIO, TEXAS

50c Collection

13 Full Sized Packets. 75c worth of First Class Tested Seeds sent post-paid for only 50c.

This collection is made up especially for the front yard or flower garden. We have selected the best varieties and a nice lot of flowers can be raised from these seeds. This is a bargain that you should not overlook. The packets are full size and the seeds fresh and first class.

1 Antirrhinum ---- .05	6 Four O'Clock---- .05	10 Poppy ----- .05
2 Balsam ----- .05	7 Larkspur ----- .05	11 Sweet William -- .05
3 Candytuft ---- .05	8 Mignonette ---- .10	12 Sweet Peas ---- .05
4 Cosmos ----- .05	9 Pansy ----- .05	13 Zinnias ----- .05
5 Cockscomb ---- .10		

*This collection is put up in advance and we can ship promptly.
No premium is allowed on this collection as it is a premium in itself.*

THE HUTH SEED COMPANY

VELVET BEANS



BURR CLOVER

CATALOGUE

1921

SUDAN GRASS

SAN ANTONIO, TEXAS

502 - 504 MARKET ST.